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WASHINGTON SQUARE

COLLEGE

ANNOUNCEMENTS
FOR THE YEAR

1914 - - 1915

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COMMITTEES OF THE WASHINGTON SQUARE COLLEGE FACULTY

The following appointments to committees have been made for the year 1914–1915:

ADMISSIONS: Prof. T. W. Edmondson, chairman, Prof. P. B. Kennedy, and the Secretary.

CURRICULUM: Prof. A. L. Bouton, chairman, Prof. C. L. Bristol, Prof. H. H. Horne, Prof. G. B. Hotchkiss, Prof. T. F. Jones, Prof. J. R. Wildman and the Secretary.

SCHOLARSHIP: Prof. J. E. Woodman, chairman, Prof. R. M· Binder, and Prof. L. Galloway.

DISCIPLINE: Prof. W. K. Gillett, Prof. J. R. Wildman, and Prof. R. MacDougall.

The Acting Dean is a member *ex officio* of all committees.

WASHINGTON SQUARE COLLEGE

HISTORY

The Washington Square Collegiate Division of New York University was established in 1903 to meet the needs of many teachers and other professional men and women living in or near New York City who desired to complete a collegiate education, but were unable to attend the courses in the University College.

At first only the equivalent of the Junior and Senior years of college work was offered; but as time went on it became necessary to extend the work to include courses of Sophomore grade.

Later it became apparent that to meet increasing demands for higher education made by men and women engaged in professional and other occupations, it would be necessary to extend the course offered in the Collegiate Division still further by adding the Freshman year and establishing a regularly organized College. On January 1, 1914, by resolution of the Council the Collegiate Division was reorganized as the Washington Square College. No important changes were made in the organization of the Collegiate Division until the end of the scholastic year 1913-14. No arrangements already made with students affecting courses, credit, degrees and other matters will be changed without the consent of the students. The Faculty reserves the right to terminate such arrangements, however, in the case of students who do not complete the work for the degree within a reasonable time.

PURPOSE

The Washington Square College aims to meet the needs of three fairly distinct classes of students:

(1) Students who have had vocational or professional training, as for example, Normal School graduates, graduates of Law Schools, Schools of Commerce, Medical Colleges, Theological Sem-

inaries, etc., who desire further cultural training and a Baccalaureate degree.

(2) Students who desire a regularly organized college course comprising two years of cultural training followed by two years of vocational training.

(3) Students, especially mature men and women engaged in gainful occupations, who desire a collegiate course similar to that given in a College of Arts of recognized standing. For the benefit of such students, courses are offered in the late afternoon, in the evening, and on Saturday.

LOCATION

The University Building at Washington Square, containing the Administration Offices of the University, the University Law School, the Graduate School, the School of Pedagogy, the Woman's Law Class, and the School of Commerce, is situated near the center of the metropolitan district, and is very accessible from every part of Greater New York and eastern New Jersey. It is easily reached from the Eighth or Bleecker Street Stations on the Sixth Avenue Elevated, and from the Ninth Street Station on the Third Avenue Elevated, while the Broadway cars and the Brooklyn cars on Eighth Street pass within a few hundred feet of the University entrance on Waverly Place. The Astor Place Station of the subway is within three minutes' walk, and the Hudson tunnel station at Ninth Street is only a few blocks distant.

Certain class-rooms on the eighth, ninth and tenth floors are set apart for the use of this school, and the library and reading-rooms of the University Law School, the School of Pedagogy, and the School of Commerce are open also to students of the Washington Square College on equal terms. The social room of the School of Pedagogy is open also to students of the Washington Square College.

The class-rooms, being on the three upper floors of the building, are above the noise and dust of the city, and the wide expanse of Washington Square assures abundant air and light.

University Heights is reached from downtown by any of the following routes: 1. By the Broadway subway to West 181st Street

Station (Manhattan), thence by University Avenue trolley across Washington Bridge to the corner of the University campus at University Avenue and East 181st Street (Bronx). 2. By Broadway subway to West 207th Street Station (Manhattan), thence across University Heights Bridge and by private path to the right to campus, a walk of ten minutes. 3. To 155th Street, thence by the Ogden Avenue trolley to Washington Bridge, thence by University Avenue trolley to campus. 4. By the Second or Third Avenue Elevated lines to East 177th Street, thence by trolley to corner of University and Burnside Avenues. 5. By West Farms subway to 149th Street, thence as in 4.

Students coming from Yonkers, Mount Vernon, or New Rochelle, or from points on the New Haven or Harlem Railroads, will find University Heights easily accessible by any of the Union Railway trolley lines.

The University and Bellevue Hospital Medical College is located at East Twenty-sixth Street and First Avenue.

GENERAL ANNOUNCEMENTS

Registration, Matriculation, and Enrollment

Each student is required to register with the Secretary of the College at the beginning of the fall term. The registration days in 1914 will be September 21–26, inclusive. Students desiring to register after October 10, will be fined $5.00 for lateness.

Each student is required to make out a matriculant's card and to pay a $5.00 matriculation fee.

At the beginning of the year, each student is required to make out an enrollment card, showing the courses which he plans to take during the year. Students desiring to drop courses or to change from one course to another, must obtain the approval of the instructor or instructors concerned and must notify the Secretary in writing. Unless such notice is given, students will be held responsible for all courses which appear on their enrollment cards.

Students will not be permitted to enroll for courses given during the first term, later than October 17, nor for courses offered during the second term, later than February 13.

No student will be registered, matriculated, or enrolled, until

he has presented credentials showing that he is entitled to admission to the Washington Square College.

Special Advisors

The work of each student, after he has chosen his Major, will be under the general supervision of the head of the Department in which the Major is taken. The head of that Department will act as an advisor to the students majoring in his division and his approval of the courses which the students desire to take must be obtained. These advisors will be assigned immediately after the student has notified the Secretary in writing of his choice of a Major.

Vocational Guidance

One of the aims of the Washington Square College is to determine the profession or occupation for which the abilities of the student seem to make him best fitted and, by systematic training and guidance, to equip him for that particular profession or occupation. To that end, a careful experiment in Vocational Guidance with a limited number of students will be made during the coming year. Students desiring to take advantage of this experiment are asked to notify the Secretary of the College in writing.

Fees

Matriculation Fee (paid once only)	$5.00
Fee for Instruction and Examination:	
For a one-hour course, per year	15.00
For a two-hour course, per year	25.00
For a three-hour course, per year	37.50
Laboratory fee in Biology, Anatomy and Physiology	5.00
Laboratory fee in Chemistry	10.00
Deposit in Laboratory Chemistry (to be returned upon the surrender of apparatus and the payment of breakage)	2.00
Graduation and Diploma Fee	10.00
Fee for Special Examination	2.00

For students taking courses amounting to twelve hours and not over fifteen hours, the fee for instruction is $150.00 for the year. An additional charge at the rate of $10.00 per hour will be made for courses in excess of fifteen hours.

All fees are to be paid to the Bursar of the University, who will then stamp the cards of admission, which are attached to the enrollment blank. These cards must then be presented by the student to the instructor before credit will be given for attendance. One half of the tuition fees for the year must be paid on or before October 15, and the other half on or before February 15. When the total amount of fees does not exceed $25.00, the whole amount must be paid by October 15.

Term Reports and Examinations

At the end of each term, a statement will be sent to each student notifying him of the result of the examination and the work which remains to be completed for the degree. Unless notice to the contrary is received from the student within a reasonable time after such term reports have been sent out, it will be assumed that they are correct and no changes will be made.

Examinations will be held at the end of each term, the last two weeks in each term being set aside for that purpose. Students who fail in an examination may take one re-examination without charge by special arrangement with the instructor. For each additional re-examination, the student will be required to pay a special fee of $2.00.

ADMISSION

General Statement

Women are admitted to all courses in the Washington Square College as candidates for degrees under the same conditions and on the same terms as men.

An applicant for admission to the Washington Square College must be at least 16 years of age. Inasmuch, however, as one of the principal objects of the College is to offer the advantages of a college education to mature men and women engaged in gainful occupations, the Faculty reserves the right, in case the College cannot accommodate all those who apply, to refuse admission to applicants under 21 years of age who are not thus engaged.

Requirements for Admission

The requirements for admission are stated in terms of units. The term *unit* means the equivalent of four or five recitations periods a week for one school year, each period to be not less than forty minutes long.

The following 5 units are required of all students:

English,	3 units.
Algebra,	1 "
Plane Geometry,	1 "
Total,	5 units.

Students desiring the degree of Bachelor of Arts must offer for entrance the following units:

English,	3 units.
Algebra,	1 "
Plane Geometry,	1 "
Classical Languages,	4 "
Total,	9 units.

The remainder of the 15 units must be made up from subjects listed below:

Latin.................	4	Algebra (Advanced)....	$\frac{1}{2}$
Greek.................	3	Solid Geometry........	$\frac{1}{2}$
Elementary German	2	Trigonometry.........	$\frac{1}{2}$
Intermediate German ...	1	Physics..............	1
Elementary French	2	Chemistry	1
Intermediate French....	1	Botany............... $\frac{1}{2}$ or 1	
Spanish..............	3	Zoölogy.............. $\frac{1}{2}$ or 1	
Italian...............	3	Geography...........	1
History..............	1 or 2	Drawing.............	1
Algebra, a, ii—Quadratics, etc..............	$\frac{1}{2}$		

Commercial and Vocational subjects, not to exceed three units, may be offered as electives.

Detailed definitions, showing what is included under each of the above subjects will be found on page 17, under the heading "Definition of Requirements."

Evidence of the completion of this work may be given by the candidate in any one of the following ways:

1. By Certificate of an Approved School.—Graduates from approved secondary schools may be admitted to the Washington Square College upon certificate, without examinations, subject to the following conditions: 1. The application for the admission of a student by certificate must be specific in character, stating that the student has attended the school at least one year, and has completed at least fifteen units of secondary school work. Blank forms of certificate for this purpose will be furnished by the University upon application. 2. The University does not bind itself to accept beyond the current year the certificate of any school in place of examinations, but will continue to accept certificates from those schools which shall have sent to the University students thoroughly prepared, as proved by their standing after admission.

2. By Certificate of the College Entrance Examination Board.— The College Entrance Examination Board is an association of colleges and secondary schools formed to conduct uniform college entrance examinations at numerous points throughout the country. New York University is a member of the association and will admit to Washington Square College students who present a certificate showing that they have passed the Board's examinations in the subjects prescribed by the University for entrance. The Board holds examinations at University Heights in June of each year. All applications for this examination must be addressed to the Secretary of the College Entrance Examination Board, Post Office Substation 84, New York City, N. Y., and must be made upon a blank form to be obtained from the Secretary of the Board upon application. Applications for this examination must be received by the Secretary of the Board at least two weeks in advance of the examination. An examination fee of $5 is charged of all candidates; and students who enter the Washington Square College on the Board's certificate, having paid the Board's fee for examination, are exempted from payment of the University matriculation fee.

For further information regarding these examinations, and a complete list of the places where they are held, address the Secretary of the Board, Thomas S. Fiske, Ph.D., Sub-station 84, New York City.

3. By Entrance Examinations of New York University.—No entrance examinations will be held by the University in June in view of the examinations held at the University at that time under the direction of the College Entrance Board. The University will hold examinations in the subjects prescribed for entrance September 14–18, 1914, at Washington Square, as follows:

	9.15A.M.-11.15A.M.	11.45A.M.-1.45P.M.	2.15P.M.-4.15P.M.
Mon., Sept. 14 ...	Solid Geometry	Trigonometry	Chemistry
Tues., Sept. 15 ..	Algebra	Plane Geometry	Botany and Zoölogy
Wed., Sept. 16....	Latin and Advanced Algebra	Geography	German
Thurs., Sept. 17...	Greek and French	History	Spanish
Fri., Sept. 18.....	English	Physics	Italian Drawing

Students may take a part of the examinations as "preliminaries" a year before entrance, but no student will be examined who does not submit a certificate of preparedness for examination in the subject in which the candidate offers himself, from the school last attended.

4. By Diploma of the Regents of the State of New York.—The academic diploma of the Regents will be accepted in satisfaction of the requirements for entrance, when such diploma covers the subjects required for admission to the Washington Square College.

5. By Certificate from another College.—A letter from a college maintaining requirements for admission equal to those of the University, stating that the candidate has been admitted to the Freshman class of that institution and is honorably dismissed in order to enter another college, will be accepted in satisfaction of the requirements for entrance.

DEFINITION OF REQUIREMENTS

English

NOTE.—However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

a. READING. This part of the examination will be upon ten units chosen from the following lists; and it may include also questions upon grammar and the simpler principles of rhetoric, and a short composition upon some topic drawn from the student's general knowledge or experience. On the books prescribed for reading, the form of the examination will usually be the writing of short paragraphs on several topics which the candidate may choose out of a considerable number. These topics will involve such knowledge and appreciation of plot, character-development, and other qualities of style and treatment as may be fairly expected of candidates. In grammar and rhetoric, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English which one should know in distinction from current errors.

At least ten units—each unit is set off by semicolons—are to be selected, two from each group:

I. The *Old Testament*, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the *Odyssey*, with the omission, if desired, of books I, II, III, IV, V, XV, XVI, XVII; the *Iliad*, with the omission, if desired, of Books XI, XII, XIV, XV, XVII, XXI; Virgil's *Æneid*. The Odyssey, Iliad, and Æneid should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

II. Shakespeare's *The Merchant of Venice; Midsummer Night's Dream; As You Like It; Twelfth Night; Henry the Fifth; Julius Cæsar.*

III. Defoe's *Robinson Crusoe, Part I;* Goldsmith's *The Vicar of Wakefield;* either Scott's *Ivanhoe,* or Scott's *Quentin Durward;* Hawthorne's *The House of Seven Gables;* either Dickens' *David Copperfield,* or Dickens'

A Tale of Two Cities; Thackeray's *Henry Esmond;* Mrs. Gaskell's *Cran-ford;* George Eliot's *Silas Marner;* Stevenson's *Treasure Island.*

IV. Bunyan's *Pilgrim's Progress, Part I;* The *Sir Roger de Coverley Papers* in the Spectator; Franklin's *Autobiography* (condensed); Irving's *Sketch Book;* Macaulay's *Essays on Lord Clive* and *Warren Hastings;* Thackeray's *English Humorists; Selections* from Lincoln, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and Letter to Horace Greeley, along with a brief memoir or estimate; Parkman's *Oregon Trail;* either Thoreau's *Walden,* or Huxley's *Autobiography* and selections from *Lay Sermons,* including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; Stevenson's *Inland Voyage* and *Travels with a Donkey.*

V. Palgrave's *Golden Treasury (First Series), Books II and III,* with especial attention to Dryden, Collins, Gray, Cowper, and Burns; Gray's *Elegy in a Country Churchyard* and Goldsmith's *The Deserted Village;* Coleridge's *The Ancient Mariner;* and Lowell's *The Vision of Sir Launfal;* Scott's *The Lady of the Lake;* Byron's *Childe Harold, Canto IV,* and the *Prisoner of Chillon;* Palgrave's *Golden Treasury (First Series) Book IV,* with especial attention to Wordsworth, Keats, and Shelley; Poe's *The Raven,* Longfellow's *The Courtship of Miles Standish* and Whittier's *Snow Bound;* Macaulay's *Lays of Ancient Rome* and Arnold's *Sohrab and Rustum;* Tennyson's *Gareth and Lynette, Lancelot and Elaine,* and *The Passing of Arthur;* Browning's *Cavalier Tunes, The Lost Leader, How they brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incidents from the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City.*

b. Study. This part of the examination will include composi-tion and the books comprised in the following list. The test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books prescribed for study, from the candidate's other studies, and from his personal knowledge and experiences quite apart from reading. For this purpose the examiner will provide several subjects, perhaps five or six, from which the candidate may make his own selections. The test on the books prescribed for study will consist of questions upon their content, form and structure, and upon the meaning of such words, phrases and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may be asked

concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

In 1914 the books set for this part of the examination will be:

Shakespeare's *Macbeth;* Milton's *Comus, L'Allegro,* and *Il Penseroso;* either Burke's *Speech on Conciliation with America,* or both Washington's *Farewell Address* and Webster's *First Bunker Hill Oration;* Macaulay's *Life of Johnson,* or Carlyle's *Essay on Burns.*

Either part of the examination may be taken separately.

History

(*a*) Ancient history, with special reference to Greek and Roman history and including also a short introductory study of the more ancient nations and the chief events of the early Middle Ages, down to the death of Charlemagne (814).

(*b*) Mediæval and modern Eurpoean history, from the death of Charlemagne to the present time.

(*c*) English history.

(*d*) American history and civil government.

Latin

Either
Old Requirement

a. i. LATIN GRAMMAR: The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verbs; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive.

　ii. LATIN COMPOSITION: Translation into Latin of detached sentences and very easy continuous prose based upon Cæsar and Cicero.

b. CÆSAR: Any four books of the *Gallic War*, preferably the first four.

c. CICERO: Any six orations from the following list, but preferably the first six mentioned:—

The four orations against Catiline, Archias, the Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth Philippic.

d. Virgil: The first six books of the *Æneid*, and so much prosody as relates to accent, versification in general, and dactylic hexameter.

<div align="center">or</div>

<div align="center">New Requirements</div>

I. Amount and Range of the Reading Required.

    i. The Latin reading, without regard to the prescription of particular authors and works, shall not be less in amount than Cæsar, Gallic War, I–IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Virgil, Æneid, I–IV.

    ii. The amount of reading specified above shall be selected by the schools from the following authors and works: Cæsar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters, and De Senectute), and Sallust (Catiline and Jugurthine War); Virgil (Bucolics, Georgics, and Æneid), and Ovid (Metamorphoses, Fasti, and Tristia).

II. Scope of the Examinations.

    i. Translation at Sight: Candidates will be examined in translation at sight of both prose and verse. The vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

    ii. Prescribed Reading. Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Virgil, Æneid, I, II, and either IV or VI, at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

    iii. Grammar and Composition: The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and all the

ordinary syntax and vocabulary, of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose.

Greek

a. i. GREEK GRAMMAR: The topics for examination in Greek grammar are similar to those detailed under Latin grammar.

ii. ELEMENTARY PROSE COMPOSITION, consisting principally of detached sentences to test the candidate's knowledge of grammatical constructions.

The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*.

b. XENOPHON: The first three books of the *Anabasis*.

c. HOMER: The first three books of the *Iliad* (omitting II, 494 to end), and the Homeric constructions, forms and prosody.

French

a. THE ELEMENTARY REQUIREMENT

THE AIM OF THE INSTRUCTION

At the end of the elementary course the pupil should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of everyday life, or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar, as defined below.

THE WORK TO BE DONE

During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French

easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and subjunctive.

b. The Intermediate Requirement

THE AIM OF THE INSTRUCTION

At the end of the intermediate course the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course.

THE WORK TO BE DONE

This should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic forms; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

German

a. The Elementary Requirement

THE AIM OF THE INSTRUCTION

At the end of the elementary course in German the pupil should be able to read at sight, and to translate, if called upon, by way of proving his ability to read a passage of very easy dialogue or narrative prose, help being given upon unusual words and construc-

tions, to put into German short English sentences taken from the language of everyday life or based upon the text given for translation, and to answer questions upon the rudiments of grammar, as defined below.

THE WORK TO BE DONE

During the first year the work should comprise: (1) careful drill upon pronunciation; (2) the memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar, (4) the reading of from 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

During the second year the work should comprise: (1) the reading of from 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in the translation into German of easy variations upon the matter read, and also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of grammar, directed to the the ends of enabling the pupil, first, to use his knowledge with facility in the formation of sentences, and secondly, to state his knowledge correctly in the technical language of grammar.

b. THE INTERMEDIATE REQUIREMENT

THE AIM OF THE INSTRUCTION

At the end of the intermediate course the pupil should be able to read at sight German prose of ordinary difficulty, whether recent or classical; to put into German a connected passage of simple English, paraphrased from a given text in German; to answer any grammatical questions relating to usual forms and essential principles of the language, including syntax and word-formation, and to translate and explain (so far as explanation may be necessary) a passage of classical literature taken from some text previously studied.

THE WORK TO BE DONE

The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and

poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and subjunctive), and likewise upon word-order and word-formation.

Spanish

At the end of the elementary course the pupil should be able to pronounce Spanish accurately, to read at sight easy Spanish prose, to put into Spanish simple English sentences taken from the language of everyday life or based upon a portion of the Spanish text read, and to answer questions on the rudiments of the grammar.

Mathematics

a.   ELEMENTARY ALGEBRA:

   i.   ALGEBRA TO QUADRATICS: The four fundamental operations for rational algebraic expressions. Factoring, determination of highest common factor and lowest common multiple by factoring. Fractions, including complex fractions, ratio and proportion. Linear equations, both numerical and literal, containing one or more unknown quantities. Problems depending on linear equations. Radicals, including the extraction of the square root of polynomials and of numbers. Exponents, including the fractional and negative.

   ii.   QUADRATICS AND BEYOND: Quadratic equations, both numerical and literal. Simple cases of equations with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations. Problems depending on quadratic equations. The binomial theorem for positive integral exponents. The formulas for the nth term and the sum of the terms of arithmetical and geometric progressions, with applications. It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some of these problems should be chosen from mensuration, from physics, and from commercial life. The use of graphical methods and illustra-

tions, particularly in connection with the solution of equations, is also expected.

b. ADVANCED ALGEBRA: Permutations and combinations, limited to simple cases. Complex numbers, with graphical representations of sums and differences. Determinants, chiefly of the second, third, and fourth orders, including the use of minors and the solution of linear equations. Numerical equations of higher degree, and so much of the theory of equations, with graphical methods, as is necessary for their treatment, including Descartes' rule of signs and Horner's method, but not Sturm's functions or multiple roots.

c. PLANE GEOMETRY: The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. The solution of numerous original exercises, including loci problems. Applications to the mensuration of lines and plane surfaces.

d   SOLID GEOMETRY: The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle. The solution of numerous original exercises, including loci problems. Applications to the mensuration of surface and solids.

e. TRIGONOMETRY: Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles. Proofs of principal formulas, in particular for the sine, cosine, and tangent of the sum and the difference of two angles, of the double angle and the half angle the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulas. Solution of trigonometric equations of a simple character. Theory and use of logarithms (without the introduction of work involving infinite series). The solution of right and oblique triangles, and practical applications, including the solution of right spherical triangles.

Physics

The course of instruction in physics should include:

a.   The study of one standard text-book, for the purpose of obtaining a connected and comprehensive view of the subject. The student should be given opportunity and encouragement to consult other scientific literature.

b.   Instruction by lecture-table demonstrations, to be used mainly for illustration of the facts and phenomena of physics in their qualitative aspects and in their practical applications.

c.   Individual laboratory work consisting of experiments requiring at least the time of thirty double periods, two hours in the laboratory to be counted as equivalent to one hour of class-room work. The experiments performed by each student should number at least thirty. The work should be distributed so as to give a wide range of observation and practice.

At the time of the examination the candidate must present a note-book in which he has recorded the steps and the results of his laboratory exercises, and this note-book must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's work. It should contain an index of the exercises which it describes. It is practicable for pupils to make the original record of their observations entirely presentable, so that copying will be unnecessary, and they should in general be required to do so. This note-book will be returned at any time within a year at the request of the candidate.

A list of suitable experiments in physics is contained in the definitions of the requirements published by the College Entrance Board.

Chemistry

It is recommended that the candidate's preparation in chemistry should include:

(1)   Individual laboratory work, comprising at least forty exercises selected from a list of sixty or more.

(2)   Instruction by lecture-table demonstrations to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations.

(3) The study of at least one standard text-book, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws of elementary chemistry.

Geography

The entrance requirements consist of (1) a study of one of the leading secondary text-books on Physical Geography; (2) individual laboratory work, comprising at least forty exercises covering the general subject as outlined below. From one-third to one-half the class-room work should be devoted to this. Field trips in spring and autumn should replace some, say eight, of the laboratory exercises. The time required for the subject should be at least four hours per week throughout a high school year.

A syllabus of the course to be covered is given in the pamphlet on the general subject of College Entrance Requirements issued by the College Entrance Examination Board. In general it is as follows: The Earth as a Globe (Mathematical Geography); The Ocean (including shoreline development) and The Atmosphere, as in most standard text-books; The Land, including changes now in progress, rivers and their cycles, glaciers and the forms produced by them, and the elements of land forms with the history of their development—plains, plateaus and mountains; finishing with a brief study of the relation of life, including man, to geographic environment.

The percentage of time required in studying the different subdivisions may be mathematical geography and the ocean each $12\frac{1}{2}$, the atmosphere 30, and the land 45.

Botany

The full year's course consists of two parts:

PART I. The general principles of: (*a*) Anatomy and morphology; (*b*) Physiology; (*c*) Ecology.

PART II. The natural history of the plant groups, and classification.

Zoölogy

A syllabus of the course to be covered is given in the pamphlet on the general subject of College Entrance Requirements issued by the College Entrance Examination Board.

Drawing

The preparation of the candidate should include freehand drawing of simple geometrical plane and solid figures and simple pieces of machinery, with a fair knowledge of the rules of perspective and light and shade as applied in freehand drawing. The candidate should be able to reproduce from a flat copy with enlargement or reduction of size. He should also be able to copy still life and simple plant forms.

ADVANCED CREDIT

Students may receive advanced credit toward the degree for work taken in approved Normal Schools, Schools of Commerce, Law, Medicine or Theological Seminaries, and in other colleges of approved standing. Credit will also be given for certain courses taken in New York University Summer School and in the summer schools of other universities.

Normal Schools

Students seeking advanced standing for work already completed in Normal Schools or other professional schools will ordinarily receive 32 or 64 points of credit, depending upon the nature of the work which they present. In each case, students will be required to present a detailed statement showing the specific courses which have been pursued. Wherever these courses are equivalent to courses required by the Washington Square College for the degree, they will be accepted in satisfaction of such requirements. Courses of collegiate grade which are not thus accepted will be accepted as free electives. In all cases the total amount of credit given to graduates of Normal Schools, Training Schools, and other professional schools will be substantially equivalent to that which has been hitherto given in the Collegiate Division.

Completion of Courses in Other Colleges of Recognized Standing

Students from other institutions who have pursued college courses equivalent to courses in the University will be granted advanced standing upon presentation of official transcripts of their records and certificates of honorable dismissal.

Summer Schools

Credit will be given to regularly matriculated and enrolled students for courses completed in the New York University Summer School and other summer schools when those courses are equivalent to courses given in the Washington Square College. Students who plan to use summer school courses for credit in Washington Square College are urged to consult with the Secretary of that College in order that there may be no misunderstanding as to the credit that will be allowed. Ordinarily, not more than three hours (6 points) of credit will be given for work taken in a single summer session. Where one of the hours is a laboratory hour, four hours (8 points) of credit will be allowed. In all cases where credit for courses taken in summer schools is desired, a certificate signed by the director of that summer school will be required.

Special Students

Students at least 21 years of age, who present less than 15 units of credit for entrance, may be admitted to the Washington Square College as special students. Such students will receive no credit toward the degree for courses taken before they have satisfied the requirements for entrance.

REQUIREMENTS FOR DEGREES

The Washington Square College requires the completion of 128 points of credit for graduation. A point is the credit given for the successful completion of a course which requires one hour of classroom attendance a week for one semester. It is expected that students will arrange their work in such a way that they will require not more than eight calender years for the completion of the 128 points required for the degree. The Faculty reserves the right, where this period is exceeded, to impose special requirements upon the students. At least one year's work, 32 points, must be taken in the University.

Degrees are granted for the completion of Section A, Section B, or Section C. The degrees offered are the following: Bachelor of Arts and Bachelor of Science.

Majors and Minors

Each student is required to complete in addition to the required courses, one Major and either one or two Minors depending upon the section in which he enrolls. A Major will consist of 20 points and a Minor 12 points in sequential arrangement or definite correlation in any of the fields of study enumerated under Cultural or Vocational Groups. Students who elect their work in *Section A or C* must choose their Majors and Minors from *Cultural Group I, II, or III.* Students who elect their work in *Section B* must choose their Majors and Minors from *Vocational Group I, II, III, or IV.* The choice of the Major and the Minors must be made in writing and submitted to the Secretary of the College before the student has completed 64 points. Blanks for this purpose may be had upon application at the office of the Secretary. No credit toward the Major or Minor will be allowed until the student has completed the prescribed courses demanded by the section in which he has enrolled.

No credit toward the completion of any Major or Minor will be allowed for the following courses:

(a) Elementary courses in any language, including the second year of study in French or German.

(b) Elementary courses in Mathematics, English Composition, Chemistry and Physics.

A student who completes his Major in any year prior to that of his graduation will be required to elect in each remaining year of his enrollment at least one course in the field in which the Major has been taken.

Free Electives

Courses which are not taken as required courses or as part of the Major or Minor sequences will be credited as free electives. In the absence of special provision to the contrary any courses offered by the Washington Square College not already credited for admission or advanced standing will be accepted as free electives.

SECTION A

This Section is designed for students who desire a four-year cultural course similar to that given in the ordinary college of arts.

Required Courses

(a) English Composition,	4	points.
History of English Literature,	4	"
European History,	4	"
English History 　　　or United States History,	4	"
Mathematics,	4	"
An Exact Science,	4	"
A Natural Science,	4	"
Philosophy,	4	"
Total,	32	points.

NOTE.—These courses must be completed as part of the first 64 points.

(b) Four points of one modern foreign language in addition to three years of high school work in that language.

Majors and Minors

One Major and two Minors are required of students who enroll in Section A. Both Minors must be taken in a field of study other than that in which the Major is taken; and at least one of the Minors must be taken in a group other than that in which the Major is taken.

Majors and Minors may be chosen from the following groups:

CULTURAL GROUP I

Language and Literature

Classical Languages.
English.
German.
French.
Italian.
*Spanish.

*Only a Minor may be taken in this department.

CULTURAL GROUP II

Social Science and Philosophy

> History.
> Political Science.
> Economics.
> Sociology.
> Philosophy.

CULTURAL GROUP III

Exact and Natural Science

> Mathematics.
> Exact Sciences. (Chemistry and Physics)
> Natural Sciences.

Degrees

The degree of Bachelor of Arts will be conferred upon students in Section A who have completed their Major in a field of study under Group I or II, provided they have presented for entrance 4 units in Latin, or in Latin and Greek, and have taken at least one year of Latin or Greek in College.

The degree of Bachelor of Science will be conferred upon all students who have taken their Major under Group III and upon those students who have taken their Major under Group I or II, but lack the 4 units in Latin or Greek for entrance.

SECTION B

This Section is designed for students who wish a regularly organized college course comprising two years of cultural training followed by two years of vocational training.

Required Courses

The following cultural courses are required of all students in Section B

(a) History,	4	points.
Philosophy,	4	"
English,	4	"
Science,	4	"
Mathematics,	4	"
Total,	32	points

NOTE.—These courses must be completed as part of the first 64 points.

(b) Four points of one modern foreign language in addition to three years of high school work in that language.

Prerequisite Vocational Courses

Each student must complete 20 points in prerequisite courses. The student will be required to take the prerequisite vocational courses of the vocational group in which he intends to take his Major, *e. g.*, a student who intends to Major in Accounting under Vocational Group I (Commerce) will be required to take the prescribed vocational courses of that group.

(For a list of the prerequisite courses under the different groups see pages 34-36.)

Majors and Minors

One Major and one Minor will be required of students who enroll in Section B. The Minor must be taken in the same Vocational Group in which the Major is taken, but in a different field of study. An exception is made in the case of students who desire to take their vocational work in Law. In such cases, the Minor must be taken in one of the fields of study under the Government Group.

Free Electives

Courses taken in addition to the prescribed cultural courses and prerequisite vocational courses to complete the first 64 points must be cultural. In completing the last 64 points, sufficient cultural courses must be taken to bring the total amount of credit received toward the degree for cultural courses up to at least 64 points.

Degrees

Students in Section B who have satisfied the requirements of the section will receive the degree of B.S. unless they have presented Latin for entrance and have taken one year of Latin in college. In such cases, the degree of A.B. will be awarded.

The Vocational Groups open to students under Section B together with the prerequisite vocational courses to each group, are as follows:

VOCATIONAL GROUP I. COMMERCE

Vocational Group Director—DEAN JOSEPH FRENCH JOHNSON

Prerequisite courses

Accounting 3 and 4 (Principles of Accounting),	4 points.
Economics 1 and 2 (Elements of Economics and Practical Economic Problems),	4 "
Finance 1 and 2,	4 "
English Composition (English 1 and 2 or 3 and 4),	4 "
Commercial Law 1 and 2 (Commercial practice in the Law of Contracts and Agency),	4 "
Total,	20 points.

Major and Minor Sequences

Accounting.	Marketing.
Finance.	Trade and Transportation.
Industry.	Sociology.
Management.	Commercial Law.

Students who specialize in Vocational Group I may, by the proper selection of courses under the guidance of the Vocational Group Director, prepare for service in any one of the following fields:

Advertising.	Credits and Collections.
Banking.	Export and Import Trade.
Brokerage.	Insurance and Real Estate.
Business Management.	Merchandising.
Commercial Secretary.	Private Accounting.
Salesmanship.	Public Accounting.
Statistics.	Transportation.
Welfare Work.	

Majors in Accounting must be approved by Professor Wildman; in Finance by Professor Gerstenberg; in Industry and Management by Professor Galloway; in Marketing by Professor Hotchkiss; in Trade and Transportation by Professor Kennedy; in Sociology by Professor Binder; and in Commercial Law by Professor Bacon.

VOCATIONAL GROUP II. LAW

Vocational Group Director—Prof. Francis W. Aymar

Prerequisite Courses

Elementary Law,	4	points.
Elementary Constitutional Law,	4	'
Elementary International Law,	4	"
Roman Law,	4	"
Case Analysis,	4	"
	—	
Total,	20	points.

Major and Minor Sequences

The first and second years in Law School (48 points) combined with one Minor in Government (12 points) plus 4 free elective credits, will constitute the last half of the course for those who desire to specialize in Law.

Note.—Students desiring to take Law Preparatory must consult with and obtain the approval of Professor Aymar.

VOCATIONAL GROUP III. JOURNALISM

Vocational Group Director—Prof. James M. Lee

Prerequisite Courses

Journalism 1 and 2 (News Writing),	4	points.
Journalism 13 and 14 (Magazine Writing and Special Feature Work),	4	"
Economics,	4	"
English Literature,	4	"
Elements of Business Practice,	4	"
	—	
Total,	20	points.

Major and Minor Sequences

Newspaper Management.	Newspaper Editing and Writing.
Magazine Management.	Magazine Editing and Writing.

Note.—Students who specialize in Vocational Group III may, by the proper selection of courses under the guidance of the Vocational Group Director, prepare for service in any one of the following fields:

Reporter.   Circulation Manager.
Advertising Manager.   Advertising Solicitor.
Business Manager.   Editorial Writer.
Proof Reader.   Magazine Writer.
Editor.   Special Feature Writer.

Editor of Special Departments, such as Financial Editor, Literary Editor, Dramatic Editor, and City Editor.

NOTE.—Students desiring to Major in any one of the departments under Vocational Group III must obtain the approval of Professor Lee.

VOCATIONAL GROUP IV. GOVERNMENT

Vocational Group Director—PROF. JEREMIAH W. JENKS

Prerequisite Courses

Elementary Economics,	4 points.
Political Institutions,	4 "
Principles of Accounting,	4 "
Commercial Geography or Elementary Sociology,	4 "
Industrial History or American History,	4 "
	—
Total,	20 points.

Major and Minor Sequences

Political Principles.   Federal and State Government.
International Relations.   Municipal Government.

NOTE.—Students who specialize in Vocational Group IV may, by the selection of courses under the guidance of the Vocational Group Director, prepare for service in any one of the following fields:

> Diplomatic Service.
> Consular Service.
> Federal and State Administrative Service.
> City Manager.
> Municipal Civil Service.
> Public Service Commission.
> Civic Secretaryships.

NOTE.—Students desiring to Major in any of the departments under Vocational Group IV must obtain the approval of Professor Jenks, Director of the Division of Politics and Public Affairs.

SECTION C

This Section is designed for students who come to the University with vocational or professional training, and desire further cultural training.

Required Courses

(a) English Composition,	4	points.
History,	4	"
Mathematics,	4	"
An Exact Science,	4	"
A Natural Science,	4	"
	—	
Total,	20	points.

NOTE.—These courses must be completed before credit will be allowed toward a Major or Minor. (b) Four points of one modern foreign language in addition to three years of high school work in that language.

Majors and Minors

Students in Section C must complete, in addition to the required courses, one Major. Students who enter the College with 64 points of credit will be required to take those required courses not satisfied by their advanced credit before beginning the Major work. In case the 64 points of advanced credit cover the required courses, the student will be allowed to begin the Major work immediately.

Students in Section C who enter the College with advanced credit amounting to less than 64 points will be required to take 2 Minors. Students who present 64 points of advanced credit will be required to take only one Minor. Minors must be taken in a field of study other than that in which the Major is taken; and at least one of the Minors must be taken in a Group other than that in which the Major is taken. When only one Minor is required, it must be chosen from a Group other than that of the Major. Students must complete those required courses not satisfied by the advanced credit before credit for the Minor will be given.

Free Electives

Courses which are not taken as required courses or as part of the Major and Minor sequences will be credited as free electives. Any courses offered by the Washington Square College not already cred-

ited will be accepted as free electives. Courses of collegiate grade offered for advanced credit which are not used to offset required courses will be accepted as free electives.

Majors and Minors must be chosen from the following groups:

CULTURAL GROUP I

Language and Literature

Classical Languages.
English.
German.
French.
Italian.
*Spanish.

* Only a Minor may be taken in this department.

CULTURAL GROUP II

Social Science and Philosophy

History.
Political Science.
Economics.
Sociology.
Philosophy.

CULTURAL GROUP III

Exact and Natural Science

Mathematics.
Exact Sciences.
Natural Sciences.

Degrees

Students in Section C will be recommended for the degree of A.B. or B.S. upon the same conditions as those stated in connection with Section B.

DEPARTMENTAL ANNOUNCEMENTS

ACCOUNTING

The following courses given by members of the Faculty of the School of Commerce, Accounts and Finance are open also to students of the Washington Square College.

1. BOOKKEEPING PRACTICE. No credit in the Washington Square College is allowed for this course.

The purpose of this course is to prepare students for admission to Accounting 1. The work is therefore confined strictly to bookkeeping. The books and materials used are identical with those which would generally be found in a business office under conditions similar to those surrounding the organization selected for illustration. The transactions are broad in scope and so arranged as to develop the principles gradually.

Students are required not only to work out the transactions in the books but to prepare the papers which are the sources of information, such as purchase and sales invoices, checks, notes, drafts, etc. The work begins with single entry but passes quickly to double entry. It embraces the analysis of transactions with a view to ascertaining facts from which to establish the bookkeeping entries; practice in framing the entries; opening and closing the books; posting; taking off trial balances and preparing simple financial statements.

Students will not be permitted to enter these classes after the second session.

First term.	2 points.
Monday, 9.30–11.30, or	Mr. Barber.
Saturday, 4–5.45, or	Mr. Barber.
Saturday, 6.00–7.45.	Mr. Rosenkampff and Mr. Godridge.

2. BOOKKEEPING PRACTICE.

This course is the equivalent of Accounting 1.

Second term.	2 points.
Monday, 9.30–11.30, or	Mr. W. B. Johnson.
Saturday, 4.00–5.45, or	Mr. Barber.
Saturday, 6.00–7.45.	Mr. Godridge.

3 and 4. PRINCIPLES OF ACCOUNTING. (Accounting 1.)

The aim of this course is to give the student a thorough foundation in the fundamental principles of accounting. The work consists of laboratory practice by the student under the guidance of the instructor. The practical work is interspersed with such theory as is necessary to make the work clear and understandable. The books and working papers are identical with those used in practice and the transactions and illustrations are taken from actual cases.

The course is built up to show the evolution of the holding company by means of the legal types of organization preceding the same, namely, sole proprietorship, co-partnership and corporation. The books begin with single entry but are changed quickly to double entry. They are first run on a cash basis but are soon changed to an accrual basis. The sole proprietor engages first in a simple retail business which is gradually expanded into one of the departmental type. This is followed by manufacturing and wholesaling. A general and a special partner is taken in. One partner dies. The business is incorporated. Among the corporate transactions there is a bond issue with sinking fund provision; a retail store run as a separate department; a merger; the failure of an allied company, etc. Consolidation is eventually effected and a holding company is organized to take over the several underlying companies. The transactions of the holding company are carried on for a time in order to bring out the exact relation of the parent company to the subsidiaries.

The work of keeping the books is only incidental to the preparation and study of the financial statements which embrace detailed, general and consolidated balance sheets, profit and loss accounts, statements of income and profit and loss, statements of cash receipts and disbursements, statements of affairs and deficiency accounts and statements of realization and liquidation, etc.

All students enrolling for this course, except those who have passed Bookkeeping Practice satisfactorily, in the School of Commerce, are required to take the entrance examination in bookkeeping. Entrance examinations in bookkeeping for the fall term will be held September 17 and 26, 1914, and for the second term (two sessions a week) January 23, 1915. For description of the examination see School of Commerce catalog.

This is a unit course and no credit will be given until sixty continuous hours have been taken. Students will not be permitted to enter after the second session of the first term nor after the first session of the class beginning in the second term.

First and second terms.   4 points.

Monday, 7.45–9.45, or   Mr. W. B. Johnson.

Tuesday, 6.00–7.45, or	Mr. W. B. Johnson.
Tuesday, 7.45–9.45, or	Mr. Alther.
Wednesday, 4.45–6.45, or	Mr. W. B. Johnson.
Saturday, 11.15–1.15.	Mr. Barber.

Second term.

Monday, 9.30–11.30 and Thursday, 9.30–11.30.   Mr. Barber.

> or

Monday, 7.45–9.45 and Thursday, 7.45–9.45.

<div align="right">Mr. Barber and Mr. Simpson.</div>

Note: A section of this course, meeting Tuesdays, 4.15–6.00, will be open to women only.

5 and 6. ACCOUNTING PRACTICE. (Accounting 2) (Prerequisite: Accounting 3 and 4.)

The work of this course is based on practical problems in accounting with a view to helping students generalize and reason in the abstract. The problems are divided into two groups, those for demonstration and those for practice. The demonstration problems are used in the classroom; the students are required to work out independently, and submit for criticism and review, the practice problems. Special attention is given to the technique of solving problems. The subject matter covers: profits determined by the asset and liability method; the profit and loss method; the evolution of the modern statement of income and profit and loss; building up the cash account from complementary accounts; formation and dissolution of co-partnerships; distribution of profits; good will; depreciation; incorporation; mergers; consolidations; holding company; dissolution of corporations; general condensed, and consolidated balance sheets; statements of affairs and deficiency accounts; realization and liquidation statements; executors accountings; etc.

No credit will be given until the prerequisite has been passed nor until sixty continuous hours in this course have been taken. Students will not be permitted to enter after the second session.

First and second terms.   4 points.

Monday, 9.30–11.30, or   Assistant Professor Douglas.
Monday, 4.45–6.45, or
Monday, 7.45–9.45, or
Wednesday, 6.00–7.45.

7 and 8. COST ACCOUNTING. (Accounting 3.) (Prerequisite: Accounting 3 and 4.)

An inquiry into the various reasons for ascertaining costs. The necessity of being able to determine what is required, and of knowing how to accom-

plish the desired result, is brought out by an analysis of the conditions surrounding the various lines of production. The accounting or financial cost system is described, and its application to the different kinds of production illustrated by practical problems. The elements composing manufacturing or factory costs are discussed both individually and collectively. Materials and supplies are traced from the time of acquisition until they are lodged in the finished product and the forms incident to their course are described and illustrated. Labor is likewise traced from the individual operative to the work in process. The subject of overhead is discussed with regard to the items entering into it, and the bases upon which it may be distributed. Students are required to work out a set of manufacturing cost books and records from subject matter furnished them in the form of a problem involving the manufacture of a staple article of production. An attempt is made to teach such underlying principles of cost as may be applied in practice in accordance with the needs of any given situation.

The work of the second term embraces a discussion, supplemented by practical work, of the more intricate problems involved in cost accounting. Manufacturing cost systems are classified as to types. The points of similarity and difference between the simple, compound and complex types are brought out and illustrated. Attention is given to the objects of departmental distribution. The various bases upon which the items of overhead may be distributed are discussed. Items of cost are grouped around centers of production. Machine rates are classified and their practical application illustrated by problems. Wage systems are analyzed as to the underlying principles and the various systems studied. Predetermined costs are reconciled with actual costs. The function of the efficiency department is clearly defined and the place of the cost department in the general scheme of organization brought out through practical problems covering organization.

No credit will be given until the prerequisite has been passed nor until sixty continuous hours in this course have been taken. Students will not be permitted to enter after the second session.

First and second terms.   4 points.
Wednesday, 9.30–11.30, or   Professor Wildman.
Wednesday, 4.45–6.45, or
Wednesday, 7.45–9.45.

9. AUDITING. (Accounting 6.) (Prerequisites: Accounting 3 and 4, 5 and
   6, 7 and 8. Open only to seniors.)
   First term.   2 points.
   Monday, 6.00–7.45, or   Professor Brummer.
   Monday, 7.45–9.45, or
   Tuesday, 4.45–6.30.

10. AUDITING PRACTICE. (Accounting 6a.) (Prerequisites: Accounting 3 and 4, 5 and 6, 7 and 8. Open only to seniors.)

The principles of auditing are taught, and also their practical application to audits of various commercial organizations. This is a seminar course intended to train the student in the writing of clear and concise reports and statements of financial condition. Several reports are required from each student which are criticised in class.

Second term. 2 points.
Monday, 6.00–7.45, or Professor Brummer.
Monday, 7.45–9.45, or
Tuesday, 4.45–6.30.

11 and 12. FIDUCIARY ACCOUNTING. (Accounting 8.) (Prerequisite: Accounting 3 and 4.)

In this course a thorough study is made of accounting as it relates to the administration of trust estates. The laws dealing with executors and receivers are fully discussed. Special attention is devoted to distinction between principal and income, life tenant and remainderman; to the computation of the transfer tax and commissions of the executor and the trustee. The legal phases are treated with particular reference to the New York Statutes. The laboratory work of the course contemplates the application of the principles to a typical will and statement of facts. Most of the unusual as well as the ordinary situations that arise in the management of a trust estate are illustrated. The student keeps the detail accounts of the executor and prepares the summary statement with supporting schedules for the intermediate as well as the final accounting. The detail work of the course is amplified by a discussion of C. P. A. questions in theory and practice relevant to the subject and the practical problems are solved. The last half of the second semester is devoted to the accounting of assignees and bankrupts; a knowledge of bankruptcy law is presumed; schedules are prepared and all features connected with the accounting for bankrupt estates are considered.

No credit will be given until the prerequisites has been passed nor until sixty continuous hours in this course have been taken. Students will not be permitted to enter after the second session.

First and second terms. 4 points.
Monday, 7.45–9.45. Assistant Professor Madden and Mr. Godridge.

14. INVESTMENT ACCOUNTING.   (Accounting 9.)

While this is an advanced course it is not so difficult but what the student with average preparation may take it to advantage.

The discussion and work will be based on the following: mathematics of finance; simple interest; compound interest; punctual interest; valuations of annuities and sinking funds; use of logarithms to abbreviate processes; use of tables; bonds and their peculiarities; premium and discount; amortization and accumulation; evaluation; serial bonds; optional redemption; broken periods, etc.

Commerce 22 (see Bulletin of School of Commerce) is not required as a prerequisite but is suggested as being a desirable preparatory course for this subject.

Students will not be permitted to enter this course after the second session.

Second term.   2 points.
Friday, 7.45–9.45.   Mr. Perrine.

15 and 16.   ADVANCED PROBLEMS.   (Accounting 12 and 12a.)   (Prerequisite: Accounting 5 and 6.)

This work contemplates problem studies of the most difficult nature. Students desiring to enter this course must possess special fitness for this kind of work, and must have the approval of the instructor before enrolling.

The problems selected for the first term's work are such as will serve to broaden the student's power to apply to the various lines of business the principles learned during the first and second years.   They cover such lines as accounting, banking, brokerage, commissions, clubs, engineers and shipbuilders, gas companies, hospitals, insurance companies, libraries, steam railroads, telephone companies, publishers, mining companies, and warehouse companies.

Problems previously given in C. P. A. examinations form the subject-matter of the second term's work.   Students are subjected to speed tests in order to determine individual efficiency.

During the latter part of the second term test examinations, extending from 7–10 P. M., and corresponding in every particular with those conducted by the State Board, are held from time to time, for the purpose of familiarizing students with the requirements of such examinations.

The work of the first term (Accounting 15) may be taken separately.   The work of the second term (Accounting 16) may be taken separately but requires Accounting 15 as a prerequisite.

First and second terms.   4 points.
Tuesday, 4.45–6.45, or
Tuesday, 7.45–9.45.   Professor Wildman and Mr. Bayer.

17 and 18. Accounting Systems. (Accounting 14.) (Prerequisite: Ac-
counting 7 and 8.)

The work will consist of a thorough study of the theory of system building,
embracing: (a) the investigation or survey, covering the commercial and
physical organization; the relation of the component parts one to the other,
as well as to the whole; and the general and specific objects which systems
seek to accomplish; (b) the planning of the system; (c) the preparation; (d)
the installation; (e) observation of operation; (f) adjustments, due to un-
foreseen obstacles and complications; (g) testing and comparing the results
obtained with the objects sought.

The work will be interspersed with practical illustrations, practice in pre-
paring and ruling standard forms to scale, writing instructions for installa-
tion, etc. It will be followed by a typical system which will weave together
and show the application and connection of the theory. This preparation
will lead up to an engagement whereby the class, under supervision of the
instructor through committees, will undertake the work of devising, install-
ing, and supervising a system for an active commercial organization in the
city, thus correlating the classroom instruction with work in the practical
field.

Following this, systems for various lines of business such as ladies' tailor-
ing, lumber, building and loan associations, ladies' neckwear, etc., will be
taken up and studied.

No credit will be given until the prerequisite has been passed nor until
sixty continuous hours have been taken. Students will not be permitted to
enter after the second session.

First and second terms.	4 points.
Thursday, 7.45–9.45.	Mr. Reeve.

19 and 20. Theory of Accounting. (Accounting 17.)

This course is so arranged as to develop the subject logically and to make
clear not only the relation of the various topics of this subject, but the
relation of accounting to allied subjects, such as economics, law, finance,
and business organization.

The subject is divided for discussion into eight main topics, namely,
philosophy of accounting, books, accounts, accounting technique, the relation
of accounting to allied subjects, types of organization, the application of
accounting to various lines of business and the preparation of financial state-
ments.

The lectures will be interspersed with monthly written quizzes which will
take the place of the usual examinations. In view of this and of the fact

that it is a unit subject no re-examinations will be given and students who fail to take or to pass any of the monthly quizzes wil be obliged to depend upon their general averages.

First and second terms.   4 points.
Tuesday, 9.30–11.30, or   Assistant Professor Madden.
Tuesday, 6.00–7.45, or
Friday, 7.45–9.45.

21.   PUBLIC UTILITIES ACCOUNTING.   (Accounting 20.)   (Prerequisite: Accounting 3 and 4.)

This course covers the accounts of steam, street, and interurban railroad, gas, and electric light and power companies under the public service commissions of New York and New Jersey and the Interstate Commerce Commission.   It takes up the reports required in accounting for the securities and the proceeds of the securities; the classification of construction expenditures and other capital assets; the liability accounts; the sources of income and methods of accounting for it; the methods of accounting for expenses; the distinction between capital and revenue as defined by the several commissions; the statistical units used by the different kinds of companies and how they are derived; how the revenues and expenses are calculated in terms of these units; the reports to the commissions.   The reports of several companies will be analyzed.

First term.   2 points.
Thursday, 6.00–7.45.   Mr. Moyer.

22.   MUNICIPAL ACCOUNTING.   (Accounting 26.)   (Prerequisite: Accounting 3 and 4.)

The aim of this course is to give a practical training in every phase of municipal accounting and reporting.   The Handbook of Municipal Accounting will be used as a text-book.   In the course of the lectures as well as in the discussions, reference will be made to the Manual of Accounting and Business Procedure of the City of New York and to manuals and accounting forms of other cities.   Illustrations will be taken from small towns as well as from large cities; from county, state and national institutions as well as from municipalities.   Considerable attention will also be given to the subject of budget making as related to accounting and reporting.

Second term.   2 points.
Thursday, 6.00–7.45.   Lectures given by senior accountants of the
                              New York Bureau of Municipal Research.

23. FOREIGN EXCHANGE ACCOUNTING. (Prerequisite: Accounting 3 and 4.)

This course will be based on a month's business as transacted in a foreign exchange department, and illustrated by the records kept on the general and subsidiary books of the department. It will begin with the principal rules of higher commercial arithmetic necessary for exchange calculations and will be followed by transactions illustrating the purpose of exchange and remittance to foreign banks to establish credit balances abroad; sales of foreign exchange; issuing of travelers' letters of credit, checks and commercial letters of credit; foreign exchange arbitrage; discounting of long bills sent abroad; loans made to and obtained from foreign banks and the settlement of these loans, reconciliation of statements received from abroad with interest calculations by the English, French and German methods. In addition thereto the liability records will be treated and a daily statement of the department will be kept as well as the record of the audit department to show the capital invested in the department and in its individual accounts and the yield of these investments.

First term. 2 points.
Friday, 7.45–9.45. Mr. Djörup.

BIOLOGY

1 and 2. GENERAL PRINCIPLES OF ZOÖLOGY.

This course will serve as an introduction to the study of animals, their structure, their life history and their systematic positions. It will also treat of the great principles which underlie the phenomena of living things. In addition to the lectures, the careful reading of a text-book will be required. Illustrated by lantern slides.

This course is not open in the second term.

First and second terms. 4 points.
Saturday, 11.15–1.15. Professor Bristol.

3 and 4. PRINCIPLES OF ORGANIC EVOLUTION.

This course goes over the evidences of evolution, discussing the principal factors carefully. Along with the lectures, the careful reading of a text-book is required. Illustrated with lantern slides.

This course is not open in the second term.

First and second terms. 4 points.
Saturday, 9.15–11.15. Professor Bristol.

Minor: Biology 1 and 2, 3 and 4, and Geology 5 and 6.

CHEMISTRY

1 and 2. GENERAL CHEMISTRY.

Lectures, quizzes and study of a text-book. (Given at the Medical School, East 26th Street.)

First and second terms.   4 points.
Wednesday, 4–6.   Assistant Professor Gettler.

3. INORGANIC EXPERIMENTATION.

Laboratory course intended for students taking Chemistry 1 and 2, and required of all students before the election of Chemistry 4 or 5 or any other advanced courses. (Given at the Medical School.)

First term.   2 points.
Thursday, 4–6; Friday, 4–6.   Assistant Professor Gettler.

4. SHORT COURSE IN QUALITATIVE ANALYSIS. (Prerequisite: Chemistry 3.)

Four hours of laboratory work weekly, which should accompany Chemistry 2.   (Given at the Medical School, as a continuation of Chemistry 3.)

Second term.   2 points.
Thursday, 4–6; Friday, 4–6.   Assistant Professor Gettler.

5. ORGANIC CHEMISTRY.   (Prerequisites: Chemistry 1, 2, 3, and 4.)

Lectures on the compounds of carbon, devoted chiefly to the aliphatic series.   (Given at the Medical School.)

First term.   2 points.
Tuesday, 4–6.   Assistant Professor Gettler.

6. ORGANIC CHEMISTRY.   (Prerequisite: Chemistry 5.)

A continuation of the study, with emphasis on the aromatic series and the compounds of nitrogen.   (Given at the Medical School.)

Second term.   2 points.
Tuesday, 4–6.   Assistant Professor Gettler.

7 and 8. (CHEMISTRY G VIIa.) QUALITATIVE ANALYSIS. (Prerequisite: Chemistry 1, 2, 3.)

Six laboratory hours per week during the entire year, at the Havemeyer Laboratory, University Heights.

First and second terms.   6 points.
                                                      Professor Hill.

9 and 10. (CHEMISTRY G VIIb.) QUANTITATIVE ANALYSIS. (Prerequisite: Chemistry 7 and 8.)

Six laboratory hours per week during the year at the Havemeyer Laboratory.

First and second terms.   6 points.
      Assistant Professor Simmons.

11 and 12. (CHEMISTRY G IX.) ORGANIC SYNTHESIS. (Prerequisite: Chemistry 6.)

Laboratory practice in the preparation of organic compounds. Six hours weekly during the year at the Havemeyer Laboratory.

First and second terms.   6 points.
      Dr. Farnau.

Major: Chemistry 1, 2, 3, 4 (or 7 and 8), 5, 6, 9 and 10 (with 11 and 12 also, where Chemistry 4 has been elected instead of 7 and 8.)

Minor: Chemistry 1, 2, 3, 4, 5, 6.

COMMERCIAL LAW

The following courses given by members of the Faculty of the School of Commerce, Accounts and Finance are open also to students of the Washington Square College.

1. CONTRACTS.

All the main topics are treated, including among others: how contracts arise; who may be parties, and who are not bound under contracts; the various kinds of consideration; contracts that are void for illegality, fraud or other reasons; effect of various kinds of contracts; written and verbal contracts, and law of evidence as applied thereto; how contracts are construed; the Statute of Frauds and what contracts are void under that statute; how parties may terminate contracts, and what events terminate them without any act of the parties; when specific performance of contracts may be enforced; actions for damages for breach of contracts and what damages may be obtained.

First term.   2 points.
Monday, 6.00–7.45.   Professor Bacon and Mr. Bergh.
Tuesday, 9.30–11.30.
Friday, 4.45–6.45.
Friday, 7.45–9.45.

2. AGENCY.

Under Agency: how an agency may arise; contracts of agency; agency of wife and children; agency arising by ratification or estoppel; what parties

may be principals and agents; the effect of agency and study of agents' rights and duties in various commercial and business situations; how agencies may be terminated and what agencies cannot be revoked; suits of agents or employees for breach of contract, etc.

Under "functions of the various courts": general discussion of the original growth and theory of the law; how this theory is applied in practical cases; classifications of the various courts, national, state and municipal, criminal and civil, and a brief description of their procedure and of the various cases decided in each court.

Second term.   2 points.
  Monday, 6.00–7.45, or   Professor Bacon and Mr. Bergh.
  Tuesday, 9.30–11.30, or
  Friday, 4.45–6.45, or
  Friday, 7.45–9.45.

3. SALES, SHIPMENTS, AND MANAGEMENT OF PERSONAL PROPERTY; MORT-
      GAGES OF REAL ESTATE AND PERSONAL PROPERTY.

Main topics: sale of personal property; contracts and memoranda of sales; immediate and future sales; sale of property to be manufactured; when sales may be set aside; selection of goods, fixing of price, time of delivery; shipment of goods, and rights and duties of consignor, consignee and carrier; bills of lading and stoppage and loss in transit; warranties of goods, sales by sample, by description, C. O. D., on approval, etc.; storage of goods, rights and duties of warehousemen, warehouse receipts, etc., suits against transportation company, warehouseman, or against buyer or seller of goods.

Mortgages of real estate, chattel mortgages of personal property; mortgage bonds and notes, right to possession of mortgaged property, recording of mortgages; searches of title to real estate, foreclosure of mortgages; payment and satisfaction of mortgages.

First term.   2 points.
  Thursday, 4.45–9.45, or   Professor Bacon.
  Thursday, 7.45–9.45, or
  Friday, 9.30–11.30.

4. BANKRUPTCY; WILLS AND EXECUTORS AND ADMINISTRATORS.

Bankruptcy; who may become bankrupt and when creditors may enforce bankruptcy; acts of bankruptcy; insolvency; bankruptcy schedules; exempt property; preferred and secured claims; when security must be surrendered; management of bankrupt's estate; creditors' meetings; filing claims; trustee;

examination of bankrupt; dividends to creditors; accounts and inventories to be filed; fees and expenses; discharge of bankrupt and settlement of estate.

Wills, Executors and Administrators: drawing, execution and revocation of wills; when wills void for mistakes or insanity of testator; when set aside for fraud and undue influence; gifts of property; powers and duties of executors and administrators; executors' bonds; management of real estate and personal property; various kinds of legacies; rights of creditors, and which claims shall be paid first; where property goes when there is no will, etc.

Second term. 2 points.
  Thursday, 4.45–6.45, or Professor Bacon.
  Thursday, 7.45–9.45, or
  Friday, 9.30–11.30.

5. Law of Banks and Negotiable and Commercial Paper.

Negotiable or Commercial Paper: what are valid negotiable instruments and what instruments are not negotiable; form of bills, notes, drafts and checks; makers, payees, endorsers, etc., of negotiable paper; acceptance of drafts and certification of checks; suits on negotiable paper; defenses to such suits, usury, forgery, theft, raising illegal debts, alterations, infancy, prior payment, etc.; partnership and corporation paper; demand paper and bearer instruments; indorsers and when they are discharged; accommodation indorsers and indorsers after maturity; rights of indorsers paying paper; holders for value and in due course; presentment for payment, notice of dishonor, notice of protest, etc.; certificates of deposit; bonds, coupon and registered; certificates of stocks; bills of lading, warehouse receipts, etc.

First term. 2 points.
  Wednesday, 4.45–6.45, or Professor Bacon.
  Wednesday, 7.45–9.45.

6. Partnerships, Corporations and Receivers.

Partnerships: how partnerships are formed and who can be held liable as partners; sharing of profits and losses, firm name and books of accounts; rights of partners as to management; rights of creditors against firm and partners; ownership of firm property; silent and dormant partners; commercial paper of firm; accounting by partners; contributions of capital and loans to the firm; termination of firm; death, insanity, fraud or withdrawal of partner; liquidation of assets; bankruptcy of firm; limited partnerships.

Corporations: various kinds of corporations; formation of corporation; charter, by-laws, capital stock; stockholders' and directors' meetings;

election of officers; corporate bonds and mortgages, and commercial paper; rights of minority stockholders; voting trusts; corporate books; rights of creditors; directors' and stockholders' liability; revocation of charter; dissolution of corporation.

Receivers: when receiver may be appointed; purposes of receiverships; rights and duties of receivers and of creditors.

Second term.   2 points.
Wednesday, 4.45–6.45, or   Professor Bacon.
Wednesday, 7.45–9.45.

7. INSURANCE LAW AND PRACTICE.

Fire, Life, Accident and Health Insurance are presented in a practical way, with a critical examination of the application, the warranties therein and the various forms of policies; the legal rights of the insured, the beneficiary and the insurer, with full consideration of insurable interest, premiums, assessments, proofs, performance of contract, forfeiture, waiver, limitations, assignments, wives' policies, bankruptcy, suicide, fraud, incontestibility, agency.

First term.   2 points.
Wednesday, 7.45–9.45.   Mr. Hardy.

Minor: 1, 2, 3, 4, 5, 6, or 7.

ECONOMICS

1. ELEMENTS OF ECONOMICS.
First term.   2 points.
Tuesday, 4.45–6.45   Professor Johnson, Assistant Professor Kennedy,
                          Dr. Gowin, Mr. Lupton, and Mr. Foster.

2. ECONOMIC PROBLEMS.
Second term.   2 points.
Tuesday, 4.45–6.45.   Professor Johnson, Assistant Professor Kennedy,
                          Dr. Gowin, Mr. Lupton, and Mr. Foster.

3 and 4. BUSINESS ORGANIZATION.

A study is made of the internal management of a large business, the differentiation of the duties of various departments, the advantages of various methods of organization as regards economy and the preservation of goodwill, trade-marks, local interests, and so on. The course treats of the organi-

zation of corporations controlling different branches of industry, the relation of one branch to others, and the relation of each to the parent company. A thorough and practical examination is conducted of the internal organization of several industrial corporations having headquarters in New York. The use of statistics in locating weak points in the structure of a company, in stimulating effort, and in promoting efficiency generally are fully discussed and illustrated. The first term will be given up to problems of scientific management and the second to the investigation of typical local industries.

First and second terms. 4 points.
Thursday, 7.45–9.45. Assistant Professor Galloway.

5. RAILWAY FREIGHT TRAFFIC AND RATES.

Traffic questions will first be considered, such as the marking of freight, bills of lading, claims, routing, tracing freight, demurrage, car shortage, side tracks, frequency and speed of service, packing, baggage and express service, etc.

The theory of railway rates will be studied, including the classifications, commodity rates, and the principal regional rate structures in the United States; the influence of inland waterways and coastwise shipping upon freight rates will be demonstrated. The problems of location for different kinds of business will be taken up from a traffic standpoint.

The control of the Interstate Commerce Commission and State Commissions over service and rates will be discussed.

First term. 2 points.
Tuesday, 7.45–9.45. Assistant Professor Kennedy.

6. EXPORT TRAFFIC AND OCEAN FREIGHT RATES.

The matters considered are the advantages of different American ports for particular kinds of traffic, bonded warehouses, drawbacks and customs regulations in the United States, the nature of ocean freight rates, ocean trade routes, ocean freight pooling agreements, international mail, express and parcel post, the costs of operating steamers, and the tariffs, customs regulations and port and shipping facilities in the countries which are our principal markets.

Second term. 2 points.
Tuesday, 7.45–9.45 Assistant Professor Kennedy.

7 and 8. INDUSTRIAL HISTORY.

This course treats briefly of the economic development of England previous to the Industrial Revolution and includes a study of the various inventions

in the cotton, steel and other industries which have greatly lowered the cost of production and so contributed to the industrial expansion of the United States. The industrial causes and effects of our wars and tariffs are discussed, the growth of trusts and their significance; the present position of the United States as compared with other countries.

First and second terms.   4 points.

Wednesday, 2–4.   Assistant Professor Kennedy.

9 and 10.   (G. I.) HISTORY OF POLITICAL ECONOMY.

A study of the development of economic theory, especial attention being given to Smith, Ricardo, Mill and the Austrian School.

First and second terms.   4 points.

Monday, 4–6.   Professor Johnson.

11 and 12.   (G VI.) INDUSTRIAL EVOLUTION.

A study of the commercial and industrial development of England and the United States during the last century.

First and second terms.   4 points.

Tuesday, 4.45–6.45.   Assistant Professor Galloway.

13 and 14.   (G VII.) ADVANCED ECONOMICS.

An analysis of the modern theories of value and distribution.

First and second terms.   4 points.

Thursday, 4–6   Assistant Professor Galloway.

Major: 3 and 4, 5 and 6, 7 and 8, 9 and 10, 11 and 12, or 13 and 14.

Minor: 3 and 4, or 5 and 6, 7 and 8, 9 and 10, or 11 and 12.

ENGLISH

A special bulletin of English courses offered in the Washington Square College and in the Graduate School for the year 1914–1915 will be issued about September first. This bulletin will contain the revised announcements of the department for the year.

1 and 2.   ENGLISH COMPOSITION AND RHETORIC.

Study of the principles of composition and of good use, as applied especially to paragraphs, sentences and the choice of words. Practice in descriptive, narrative, and expository writing, with individual criticism. This course is designed for students of the freshman year.

First and second terms.   4 points.

Friday, 7.45–9.45.   Mr. Andrews.

3 and 4. ENGLISH COMPOSITION.

The aim of this course is to cultivate correctness, effectiveness, and facility in written composition. To this end, the first semester will be devoted to the writing of brief weekly themes of observation and comment, and to a systematic review of good use and of the principles of composition as applied to diction, sentence-structure, paragraphing and the composition as a whole. The second semester will be given to a consideration of the processes of gathering, synthesizing, organizing, and expressing the material of expository, critical, and narrative writing, and to the composition of themes of greater length exemplifying the principles discussed. This course is designed for mature students who need technical training in the processes of writing.

First and second terms. 4 points.
Saturday, 9.15–11.15 A. M. Assistant Professor Nason.

5 and 6.—Div. a. ARGUMENTATION AND PUBLIC SPEAKING.

This course stimulates clear and original thinking and imparts the power of effective oral presentation. In public speaking, the subjects considered are speech-composition, persuasion and forms of public address. Each student delivers before the class a series of speeches, some prepared and some extemporaneous. He receives individual training and criticism. He is given practical instruction in the use and developing of the voice, in gesture and position. In Argumentation, the class studies analysis, evidence, methods of research, brief-drawing, processes of argument, and refutation.

First and second terms. 4 points.
Friday, 7.45–9.45. Mr. Bergh.

5 and 6.—Div. b. ARGUMENTATION AND PUBLIC SPEAKING.

The work of the first term will consist in the study of the principles under-lying argumentative composition, and the application of these principles to debates on public questions. The following phases will receive atten-tion: Analysis of questions, evidence, research, brief-drawing, composition of a forensic, persuasion. Debates will be had in practice both by teams and individuals.

The work of the second term will consist in the study of the rhetorical and psychological principles underlying the composition and delivery of speeches. Phonetics and personal address will receive careful attention. The student will compose and deliver speeches adapted to public func-tions, dedications, commemorations, and the like.

First and second terms. 4 points.
Saturday, 1.15–3.15. Dr. Tonsor.

7 and 8.   THE HISTORY OF ENGLISH LITERATURE.

A view of the progress of English literature from the Old English period to the nineteenth century, with a presentation of its chief facts in their relation to social and literary tendency.   Readings in representative literature.

First and second terms.   4 points.
Saturday, 9.15–11.15 A. M.   Professor Bouton.

9 and 10.   AMERICAN LITERATURE.

The development of American literature, and its relation to British and to Continental literature.   First half-year, writers of the colonial and revolutionary periods, and Irving, Bryant, Cooper, and Poe; second half-year, Emerson, Whittier, Longfellow, Lowell, Holmes, Hawthorne, Whitman, and Lanier. Lectures with illustrative readings; outside reading; class discussion.

First and second terms.   4 points.
Saturday, 11.15–1.15.   Assistant Professor Nason.

11 and 12.   NINETEENTH CENTURY POETRY.

In this course the principle developments of Nineteenth Century Poetry will be reviewed in outline in lectures and will then be studied in representative works of Byron, Shelly, Keats, Tennyson, Swinbourne, Morris, Browning, and later poets.   The course will have for its main object the inductive study of the development of Nineteenth Century Poetry and its relation to the scientific, religious, and social life of the nineteenth century.

First and second terms,   4 points.
Friday, 4–6.

13 and 14.   (ENGLISH G V.)   The Development of the Essay.

A review of the history, nature and development of the essay in English Literature.   The readings will be from Montaigne, Bacon, Sir Thomas Browne, Hazlitt, De Quincey, Addison, Steele, Johnson, Goldsmith, Lamb, Thackeray, Robert Louis Stevenson, Matthew Arnold and Pater.

First and second terms.   4 points.
Saturday, 11.15–1.15.   Professor Bouton.

15 and 16.   (ENGLISH G VI.)   English Literary Prose from the Introduction of Printing to the Rise of the Periodicals.

Introductory: The prose of the humanists, the Euphuists, and the Biblical translators of the sixteenth century, and the strife of literary standards.

The Seventeenth Century: Literary prose from Bacon and Hooker to the Queen Anne writers, as seen especially in the rise and progress of the essay. The rhythms of English prose in the seventeenth century. The beginnings of journalism and the establishment of its relation to literature.

First and second terms. 4 points.
(Not given, 1914–1915.)

[17 and 18. (ENGLISH G X) Studies in 18th Century Literature.
(I) The Neo-Classical Writers.
First and second terms. 4 points.
(Not given, 1914–1915.) Assistant Professor Nason.]

[19 and 20. (ENGLISH G XI) Studies in 18th Century Literature.
(II) The reaction from the Neo-Classical Writers.
First and second terms. 4 points.
(Not given, 1914–1915.) Assistant Professor Nason.]

English 1 and 2, or 3 and 4, are, in general, prerequisite to subsequent studies in English in the Washington Square College.

Majors and **Minors** may be chosen in consultation with the professors of the English department.

FINANCE

The following courses given by members of the Faculty of the School of Commerce, Accounts and Finance are open also to students of the Washington Square College.

1 and 2. ELEMENTS OF PRIVATE FINANCE.

An introductory course in practical and financial questions, including: capital and income; sources of funds; the law and mathematics of interest and usury; deposits; loans and discounts; legal tender and payments; forms of credit and negotiable instruments and corporate securities.

First and second terms. 4 points.
Wednesday, 6.00–7.45. Assistant Professor Gerstenberg.
Thursday, 4.45–6.30.
Thursday, 7.45–9.45.

3 and 4. THE FINANCING OF BUSINESS ENTERPRISES.

An advanced course of study in concrete problems dealing with the financial organization of business enterprises, their financial management, expan-

sion, insolvency and reorganization. The topics considered will include: forms of business associations; promotions; consolidations; other forms of intercorporate relations; principles of capitalization; investment of capital funds; disposition of gross earnings; betterment expenses; creation and distribution of surplus; dividend policies; insolvency and receiverships; readjustments and reorganizations.

First and second terms.   4 points.
Friday, 7.45–9.45.   Assistant Professor Gerstenberg.

5. MONEY AND CREDIT.

The course is a critical study of the theory and principles governing the means of payment. The history of monetary experiences in the United States is given in considerable detail.

First term.   2 points.
Tuesday, 7.45–9.45.   Professor Johnson and Mr. Foster.

6. THEORY AND HISTORY OF BANKING.

This course begins with a thorough analysis of the work done by banks of deposit and issue. The banks of issue in Europe are described. The development of banking in the United States is made a subject of special study. The course includes a thorough study of the national banking system and of the Federal Reserve Act. The students are assigned readings in Dunbar's *History and Theory of Banking*, White's *Money and Banking*, and Bendix, *The Aldrich Plan*.

Second term.   2 points.
Tuesday, 7.45–9.45.   Professor Johnson and Mr. Foster.

8. CREDITS AND COLLECTIONS.

This course includes a practical study of the essential factors to be considered in determining credit risks; the sources for obtaining the necessary information; the analysis of reports emphasizing distinctive features to be found in reports of the various credit agencies; analysis of financial statements; the organization and operation of credit departments including the relation of this department to the other branches of the business; collections and adjustments under which heading will be considered the friendly liquidation of insolvent estates and also proceedings in bankruptcy; credit associations and bureaus; credit co-operation; credit insurance, as well as several other practical credit problems will be discussed.

Second term.   2 points.
Wednesday, 7.45–9.45.   Mr. Golieb.

9. BANKING PRACTICE.

An advanced course for students already in the banking business, designed to give the modern approved efficiency methods now used in the leading banks.

First term.   2 points.
Monday, 6.00–7.45.   Mr. Jefferson.

10. FOREIGN BANKING PRACTICE.

A course in comparative banking practice which will assist the students who intend to enter American banks in understanding the advantages and disadvantages of foreign banking systems, and will aid students entering the export and import field in understanding the credit situation abroad.

Second term.   2 points.
Monday, 6.00–7.45.   Mr. Bendir.

12. PRINCIPLES OF INSURANCE.

The principles common to all branches of insurance, life, fire, casualty, accident, marine, and so on, are presented, and the various applications of those principles are carefully studied.

Second term.   2 points.
Wednesday, 7.45–9.45.   Mr. Hardy.

13 and 14. FIRE INSURANCE.

A practical course intended primarily for employees of fire insurance or real estate companies. The following topics, among others, are discussed: Inspecting, rating, fire protection, office organization of a fire insurance company, adjustment of losses, brokerage. In addition to the systematic instruction there will be a number of special lectures by officials of various companies.

First and second terms.   4 points.
Thursday, 6.00–7.45.   Mr. Hardy.

15 and 16. SECURITY INVESTMENTS.

This course is planned as a direct preparation for active financial vocations, but a thorough groundwork in correct theory is first laid. A study is first made of the channels of investment, and then various forms of investments are studied separately. After the introductory lectures and discussion a part of each session will be devoted to the analysis of some current

security flotations or of the current financial situation and trend.   The work of the course will be based on Mr. Chamberlain's *The Principles of Bond Investment*.

First and second terms.   4 points.
Thursday, 6.00–7.45.   Mr. Chamberlain.

17 and 18.   REAL ESTATE.

A systematic discussion of realty values, law and management, including the following topics: brokers, their duties and obligations; building loan operations and the making of building loans; the planning of a building and the provisions of the building code; apartment house management; growth of cities and the theory of realty values; title insurance; taxes and assessments.   Essentially a practical course for the benefit of owners and managers of real estate or men engaged in the real estate business.

First and second terms.   4 points.
Tuesday, 6.00–7.45.   Mr. Benson.

19.   STOCK EXCHANGE AND SPECULATION.

The work of the world's leading stock exchanges is studied, and a detailed examination is made of the methods of doing business on the New York Stock Exchange.   Especially careful attention is given to the actual machinery of speculation, the execution of orders, the duties of a floor broker, commissions, interest, margins, short selling, call loans, the relation of broker to customer, etc.   Some attention is given to the economic function and ethics of speculation, and to the mistakes and successes of speculators. Manipulation, matched order, bucketing, and other much discussed practices are analyzed.   Principles and practices of stock exchanges and speculation are both discussed in such a way that the student will understand current agitation on these subjects.   The difference between listed and unlisted securities is explained.   Rights, half shares and other unusual denominations are considered.   All the leading groups of stocks are described and classified.

First term.   2 points.
Monday, 7.45–9.45.   Mr. Atwood.

20.   ORGANIZATION AND WORK OF BOND AND BROKERAGE HOUSES.

A concrete course in the work of Wall Street outside the Stock Exchange, dealing with the problems of bond house organization and management; a study of financial slang and financial nomenclature; prospectuses; selection and training of bond salesmen.

Second term.   2 points.
Monday, 7.45–9.45.   Mr. Chamberlain.

22. PANICS AND DEPRESSIONS.

The first part of this course is devoted largely to an historical review of the principal financial disturbances of the last half-century and an inductive study of the conditions which made them possible. In the light of the facts presented, the theories put forth by various writers as to the causes of panic are discussed and criticised. The true explanation is sought in the relation of credit to industrial activity.

During the second part of the course the instructor will discuss and analyze the material, particularly statistical, that is the basis of the study of "fundamental business conditions." After analyzing and classifying this material, students will be expected to compile and record current data concerning banking, investment, and business conditions, in an effort to appraise the immediate situation and to note and measure tendencies toward future improvement of impairment. Practical considerations will govern. The most advanced methods in use among business and financial houses will be taught.

Second term. 2 points.
Thursday, 7.45–9.45. Mr. Chamberlain.

24. FOREIGN EXCHANGE.

The course is of practical benefit to men employed in the exchange departments of banks. It involves the study of the banking systems of foreign countries and an analysis of the various transactions which cause fluctuations in the rates of exchange. The course is theoretical only in so far as is necessary to make the student understand the technique of exchange. The relation of trust companies to the New York money market is considered. Reference books: Escher's *Elements of Foreign Exchange*, Clare's *ABC of the Foreign Exchanges*, and Bagehot's *Lombard Street*.

Second term. 2 points.
Friday, 6.00–7.45. Mr. Escher.

25. CONTROL OF CORPORATIONS.

A comparative study of the relation of the state to corporations. The aim of the course is to trace the effectiveness of legislation in accomplishing the ends for which it was designed. Part of the course will be devoted to an historical survey of English and American attempts at control, and the remainder to recent legislation in the States, in England, Germany and France.

First term. 2 points.
Friday, 4.45–6.30. Assistant Professor Gerstenberg.

26.   WORK OF PUBLIC SERVICE COMMISSIONS.

The organization and powers of public service commissions.   Practice of Public Service Corporations in appealing to public service commissions. Principles of valuation, rate making, control of franchises, supervision of service and accounts, review of the commissions' orders by the courts.

Second term.   2 points.
Friday, 4.45–6.30.   Assistant Professor Gerstenberg.

Major: 3 and 4, 5 and 6, 9 and 10, 15 and 16, 17 and 18 or 19 and 20.
Minor: 3 and 4, 5 and 6, 9 and 10.

FRENCH

1 and 2.   ELEMENTARY COURSE.

This course, designed primarily for students who have had no training in French, aims to give a thorough grounding in pronunciation and in the essentials of French grammar.   As early as possible, a simple French text will be introduced.   Elementary conversational phrases will be taught throughout the course.

First and second terms.   4 points.
Div. a, Wednesday, 4–6; Div. b, Saturday, 2–4.   Dr. Méras.

3 and 4.   INTERMEDIATE COURSE.   (Prerequisite: French 1 and 2.)

This course will consist mainly in the reading of a number of works of standard authors for the purpose of acquiring a practical vocabulary.   It will include a careful study of irregular verbs and elementary idioms.   The work will be supplemented by easy prose composition, and, as far as practicable, the French language will be used in class.

First and second terms.   4 points.
Div. a, Thursday, 4–6; Div. b, Saturday, 11.15–1.15.
                                    Mr. Heaton and Dr. Méras.

5 and 6.   ADVANCED COURSE.   (Prequisites: French 1, 2, 3 and 4.)

The work of this course will consist in the reading of more advanced texts, including prose, poetry and drama.   A detailed study will be made of the more difficult rules of French syntax.   Special emphasis will be laid throughout the course upon conversation.

First and second terms.   4 points.
Saturday 9.15–11.15.   Mr. Heaton.

7 and 8. GENERAL INTRODUCTION TO FRENCH LITERATURE. (Prerequisites: French 1, 2, 3, 4, 5 and 6.)

The object of this course is to give the student an outline of the entire field of French literature. A careful study will be made of the Classical, Romantic and Realistic Schools. The course will consist in the reading of extracts from the more important authors, lectures, discussions, and written reports.

First and second terms. 4 points.
Saturday, 9.15–11.15. Dr. Méras.

9 and 10. NINETEENTH CENTURY AUTHORS. (Prerequisites: French 1, 2, 3, 4, 5 and 6.)

The object of this course is to familiarize the student with the most important prose writers, poets and dramatists of the last century. Representative works of the following authors will be read in class, or assigned for outside reading: Chateaubriand, Hugo, Musset, Balzac, Dumas, Scribe, Augier, Daudet, Loti, France, Rostand and others. The work will be supplemented by lectures on the literary movements of the century.

First and second terms. 4 points.
Saturday, 11.15–1.15. Mr. Heaton.

11 and 12. (G. I.) SOURCES AND DEVELOPMENT OF FRENCH COMEDY. (Prerequisites: French 1, 2, 3, 4, 5, 6, 7 and 8, or 9 and 10.)

Influence of Italy and Spain on writers of comedy in France, as illustrated in the works of Corneille and Molière. Nisard: *Histoire de la littérature française*. De Julleville: *Le Théâtre en France; Les Comédiens en France*. Moland: *Molière et le Théâtre italien*. Larroumet: *La Comédie de Molière*.

First and second terms. 4 points.
Hours to be arranged. Professor Gillett.

13 and 14. (G. II.) STUDY OF THE BEGINNINGS AND GROWTH OF FRENCH TRAGEDY. (Prerequisites: French 1, 2, 3, 4, 5, 6, 7 and 8, or 9 and 10.)

Investigation of sources of selected plays of Corneille and Racine. Demogeot: *Littératures méridionales*. Ste. Beuve: *Portraits littéraires*. Paul Albert: *La Littérature française au XVIIe siècle*. Nisard, De Julleville, Lanson, etc.

First and second terms. 4 points.
Tuesday, 4–6. Dr. Delamarre.

15 and 16.   (G. VII.)   THE FRENCH LITERARY MOVEMENT IN THE SECOND
    HALF OF THE NINETEENTH CENTURY.   (Prerequisites: French 1, 2, 3, 4,
    5, 6, 7 and 8, or 9 and 10.)

The Comedy from Dumas to Rostand.   New poetical schools: Parnassians,
Neo-Romanticists, Symbolists, etc.   Evolution of the Novel. G. Pellissier
Le mouvement littéraire contemporain.

First and second terms.   4 points.
(Not given in 1914–1915.)   Dr. Delamarre.

17 and 18.   (G. VIII.)   HISTORY OF FRENCH LITERATURE IN THE SEVEN-
    TEENTH CENTURY.   (Prerequisites: French 1, 2, 3, 4, 5, 6, 7 and 8, or
    9 and 10.)

Faguet: *Le dix-septième siècle;* G. Pellissier: *Le dix-septième siècle par les
textes.*

First and second terms.   4 points.
Tuesday, 4–6.   Dr. Delamarre.
(Not given in 1914–1915.)

Major: French 5 and 6, 7 and 8, 9 and 10, 11 and 12 (or 13 and 14)
and 15 and 16 (or 17 and 18).
Minor: French 5 and 6, 7 and 8, 9 and 10.

GEOLOGY AND GEOGRAPHY

1 and 2.   GEOGRAPHY OF THE LAND.

This course and Geography 3 and 4 concern themselves chiefly with sub-
ject matter, in preparation for a later special study in methods; but the
latter receive consideration wherever possible.   The topics of the lectures
cover the process in operation on the earth's surface and the history and
characteristics of resulting physiographic forms; cycles of development in
rivers, coasts and other continental features; physiographic control of life.

Text-book: *Physiography,* by Salisbury.

The lectures in this and the following courses are illustrated by maps, sec-
tions, lantern slides and specimens.

First and second terms.   2 points.
Tuesday, 4–5.   Professor Woodman.

3 and 4.   GEOGRAPHY OF THE ATMOSPHERE AND OCEAN.

To a certain extent this is a continuation of Course 1 and 2, but either
course may be taken without the other.   The earth as a whole, as given in

that part of geography commonly called mathematical; the characteristics of the ocean—its distribution, composition, movements and life; and the meteorological work of the atmosphere, constitute the theme of the course. Those portions of the subject that are of service in elementary and secondary class work will receive especial prominence.

First and second terms. 2 points.
Tuesday, 5–6. Professor Woodman.

5 and 6. GENERAL GEOLOGY.

An account of the processes which have given the earth its present surface, such as the work of the atmosphere, running water, ice, the ocean, volcanoes, earthquakes and other movements in the body of the earth, together with a study of rocks and their structures. The origin of the earth is considered, and its history traced through the geologic periods, the lectures including an account of the successive assemblages of life forms characteristic of each period. The lectures are illustrated by the use of lantern slides, rock specimens and maps.

First and second terms. 4 points.
Saturday, 9.15–11.15. Assistant Professor Finlay.

General Note: Laboratory work supplementary to Courses 1 and 2, 3 and 4, 5 and 6, is given during the Summer School.

7 and 8. PRINCIPLES OF ECONOMIC GEOGRAPHY.

The general theme of the course is the dependence of mankind upon the earth's history. Among the problems considered are: agencies of existing change and their work; transportation—oceanic, coastwise, interior by water and by rail; mineral resources and their conservation; vegetable products; animal products; influences of environment upon man, and his adaption to them.

First and second terms. 4 points.
Thursday, 7.45–9.45. Assistant Professor Finlay.

9 and 10. GLACIAL GEOLOGY.

The order of treatment in the lectures is as follows: local recent glaciers—their distribution, characters, causes and work; piedmont glaciers; ice sheets, as in Greenland and Antarctica; Pleistocene glaciation, a study of the distribution and work of its ice sheets in North America, and of the deposits formed by them; pre-Pleistocene glaciation; theories of ice movement and of

glacial climate. Especial emphasis will be laid upon the region in the vicinity of New York, and several excursions will be made to study the work of the ice in and near the city. For texts, Hobb's *Characteristics of Existing Glaciers* and Salisbury's *Glacial Geology of New Jersey* will be used chiefly.

First and second terms. 4 points.
Monday, 4–6. Dr. Earle.

11 and 12. MINERALOGY.

The systematic study of 150 minerals by lectures and demonstrations; dealing with their crystal forms, their physical properties, and the blowpipe and other tests by which they are severally recognized and determined. The list of minerals includes those mined as ores, those which generally accompany the ore minerals in mining districts, and those which are fundamental for the detailed study of rocks. The course is illustrated by the use of models, mineral specimens and determinative apparatus. Each student will be given a printed syllabus.

First and second terms. 4 points.
Saturday, 2–4. Assistant Professor Finlay.

13 and 14. MINERAL RESOURCES.

An account of the principal mineral products of the United States, and of the mining districts in which they occur. The list includes coal, oil, clay, rocks used as building stones and for cement making, iron, copper, lead, zinc, silver, and gold. The lectures deal with the nature of the ground and the conditions attending mining in the more important localities where each product is obtained, together with its properties.

First and second terms. 4 points.
Thursday, 4–6. Assistant Professor Finlay.

15 and 16. PHYSICAL AND ECONOMIC GEOGRAPHY OF THE METROPOLITAN REGION.

The aim of this course which is a new departure in geography, is to give a detailed study of the Physiography and Economic Geography of the states of New York and New Jersey, and of the nearer and more important adjacent regions. The commercial importance of the Greater New York district and its environs as a factor in the nation's development will be emphasized.

The course makes its appeal especially to two classes—teachers, and those interested in commerce. To the former it gives detailed knowledge of the home region from various points of view, useful in class work. To the

latter it affords a broader grasp of the economic development of the metropolitan region and its natural causes.

The lectures will be supplemented by reading from original sources, and will be illustrated by maps, photographs and lantern slides.

First and second terms.   4 points.
Wednesday, 4–6.   Professor Woodman.

[17. ECONOMIC GEOGRAPHY OF NORTH AMERICA.

First term.   2 points.
(Not given in 1914–1915; to be given in 1915–1916.)Professor   Woodman.]

[18. ECONOMIC GEOGRAPHY OF LATIN AMERICA.

Second term.   2 points.
(Not given in 1914–1915; to be given in 1915–1916.) Professor Woodman.]

19. ECONOMIC GEOGRAPHY OF EUROPE.

This is the third of a cycle of four courses, occupying two years, any one of which may be taken without reference to the others. They are designed for those who, having some knowledge of physical and commercial geography, wish to learn more of the specific effects of geographic conditions upon human activities in various countries.

First term.   2 points.
Wednesday, 7.45–9.45.   Professor Woodman.

20. ECONOMIC GEOGRAPHY OF ASIA, AUSTRALIA, AUSTRALASIA AND AFRICA.

This course will supplement Geography 19, the two covering the eastern hemisphere.

Second term.   2 points.
Wednesday, 7.45–9.45.   Professor Woodman.

21 and 22. SEMINAR IN GEOGRAPHY AND GEOLOGY.

This course is open only to seniors, and is designed for the individual study of problems by mature students. The nature of the problem will be determined by the preparation of each member of the class. The work will consist of the working out of geologic and geographic problems from original literature and maps, the results being discussed in the weekly conferences by the instructor and the class.

First and second terms.   4 points.
Friday, 4–6.   Professor Woodman.

23. History of Geology and Physiography.

This is course I of the Graduate School. It aims to give a knowledge of the steps by which we have attained to our present conception of the larger problems in these subjects. Lectures, supplemented by reading.

First term.   2 points.
Hours to be arranged.   Professor Woodman.

24. Anthropo-Geography.

This is course II of the Graduate School, and consists of a somewhat advanced study of the principles governing geographic influences in general, the topics being treated as general problems rather than as illustrations of the conditions active in specific countries.

Text-book: *Influences of Geographic Environment*, by E. C. Semple.

Second term.   2 points.
Hours to be arranged.   Professor Woodman.

Major: 1 and 2, 3 and 4, 5 and 6, 7 and 8, (or 9 and 10,) 11 and 12, (or 13 and 14.)
Minor: 1 and 2, 3 and 4, and 5 and 6.

GERMAN

1 and 2. Beginners' Course.

The pronunciation, accidence, and elementary syntax are studied. Prokosch's Beginners' Book, *Immensee*, *Germelshausen*, or *Der Prozess*. Conducted in German as far as possible.

First and second terms.   4 points.
Saturday, 9.15–11.15.   Mr. Whyte.

3 and 4. (C 1 and C 1a.) Commercial German.

This course is intended for students without any knowledge of German, and will give them a thorough foundation in the language, devoting the first half year entirely to that end, studying grammar and syntax. In the second half year, conversation for business use will be a strong added feature, with some reading of graded commercial material.

First and second terms.   4 points.
Wednesday, 7.45–9.45.   Mr. Scholz.

5 and 6. READINGS IN MODERN GERMAN COMEDY FOR BEGINNERS. (Prerequisites: German 1 and 2, or equivalent.)

Four modern comedies will be read. There will be a thorough and systematic review of the elementary principles of the grammar. This course is planned especially for those who have had a year or so of German in college or normal school. Conducted as far as possible in German, but the ability to speak German is not required.

First and second terms.   4 points.
Saturday, 11.15–1.15.   Professor McLouth.

7 and 8. (C 2 and C 2a.) COMMERCIAL GERMAN. (Prerequisites: German 3 and 4 or equivalent.)

This course is a continuation of the first year course, but may also be taken by students having a good knowledge of German grammar. The entire year will be devoted to business correspondence, translating German business letters into English, and writing the answers to these letters in German. Some commercial reading will give the student a fair knowledge in commercial lines. The aim of the course is to enable the student to translate any German letter that may reach his office, and to teach him how to write a simple German business letter in any line of work.

First and second terms.   4 points.
Thursday, 6.00–8.00.   Mr. Scholz.

9 and 10. READINGS IN LESSING'S DRAMATIC AND CRITICAL WORKS. (Prerequisites: Courses 1 and 2 and 5 and 6, or equivalent.)

Der junge Gelehrte, Minna von Barnhelm, selections from the *Literaturbriefe, Emilia Galotti, Nathan der Weise*, and selections from the *Hamburgische Dramaturgie* will be read. The syntax will be studied, and lectures will be given on Lessing's life and the literary period to which he belongs. Conducted as far as possible in German.

F rst and second terms.   4 points.
Saturday, 9.15–11.15.   Professor McLouth.

11 and 12. (C 3 and C 3a.) COMMERCIAL GERMAN. (Prerequisites: German 3 and 4, 7 and 8, or equivalent.)

This advanced course continues German C 3 and 4 and presupposes a good working knowledge of German. Students who satisfy the instructor as to their proficiency in German may be admitted. The course will be conducted entirely in German. A detailed study of German business organization and

practice will be undertaken, and the students will become familiar with the
details of German business practice.   There will be lectures and discussions
in German on Germany's commercial relations with the rest of the world.
Advertising, terminology, reading of foreign papers will be part of the course,
which will be adapted as far as possible to the individual needs of the students
and the nature of their business requirements in the language.

First and second terms.   4 points.
Tuesday, 6.00–8.00   Mr. Scholz.

13 and 14.   COURSE IN CONVERSATION AND COMPOSITION.   (Prerequisites:
    Course 9 and 10, or equivalent.)

Pope's German Composition will be used together with oral exercises based
upon comparatively simple modern prose.   Conducted in German.

First and second terms.   4 points.
Wednesday (hours to be arranged).   Mr. ————

15 and 16.   COURSE IN THE MODERN NOVEL.   (Prerequisites: Course 9 and
    10, or equivalent.)

Three or four of the latest novels will be read and discussed by the class
under the direction of the instructor.   Lectures on the history of the German
novel since Goethe.   This course will be conducted in English, as it may be
elected by those majoring in English or the Romance languages.

First and second terms.   4 points.
Wednesday P. M. (hours to be arranged).   Professor McLouth.

17 and 18.   COURSE IN THE MODERN SHORT STORY.   (Prerequisite: the
    ability to read modern German easily and rapidly.)

Selected short stories from the works of the great story-writers of Germany
from Goethe to Heyse.   Beginnings will be made in studying the technique
of this literary form.   This course will be conducted in English, as it may be
elected by those majoring in English or the Romance languages.

First and second terms.   4 points.
Tuesday P. M. (hours to be arranged).   Professor McLouth.

19 and 20.   INTRODUCTORY COURSE IN MIDDLE HIGH GERMAN.   (Pre-
    requisite: the ability to read modern German easily and rapidly.)

A study of the phonology, accidence and syntax of Middle High German,
as given in the latest edition of H. Paul's *Mittelhochdeutsche Grammatik;* the
reading of twenty cantos of the *Nibelungenlied* (Zarncke's edition); lectures

on the origin-theories, legends, meter, the antiquities, the literary offspring, etc., of this great epic.   Conducted in German.

First and second terms.   4 points.
Thursday P. M. (hours to be arranged).   Professor McLouth.

[21 and 22.   THE HISTORY OF GERMAN LITERATURE FROM THE EARLIEST TIMES TO THE PRESENT.   (Prerequisite: the ability to read modern German easily.)

Recitations on Priest's "History of German Literature"; readings from Thomas's "German Anthology"; collateral reading; lectures; themes.   This course will be conducted in English, as it may be elected by those majoring in English or the Romance languages.

First and second terms.   4 points.
Hours to be arranged.   Professor McLouth.]
(Not given in 1914–1915.)

Major: German 13 and 14, 15 and 16, 17 and 18, 19 and 20, or 21 and 22.
Minor: German 9 and 10 or 11 and 12; 13 and 14 or 15 and 16; 17 and 18 or 19 and 20.

GOVERNMENT

The following courses given by members of the Faculty of the School of Commerce, Accounts and Finance are open also to students of the Washington Square College.

Political Principles

1 and 2.   POLITICAL INSTITUTIONS.   (1 and 1a.)

In this course the nature of the State and Government is first discussed, with careful consideration of the leading political principles and institutions—the political motives, political parties, the suffrage, representation, constitutions.   In as practical a way as possible, with continual reference to existing conditions, the functions and actual work of legislative bodies, the executive, and the courts are then treated.   Incidentally, many of the political questions of the day are considered in connection with the political principles under discussion.

First and second terms.   4 points.
Monday, 7.45–9.45.   Dr. McLeod.

11 and 12.   (6 and 6a.)   THE RELATION OF GOVERNMENT TO BUSINESS.

(Commerce 1 and 1a and Government 1 and 2 are recommended as preliminary courses.)

A number of the important economic questions of the day are studied in connection with their governmental relations.   Most of our domestic political

questions of the present day are primarily economic in their nature, such as the tariff, corporations and industrial combinations, currency and banking reform, employers' liability for accidents, the minimum wage, factory acts and other forms of labor legislation. After some introductory discussions regarding the nature of government and of economic society, the field of governmental activity touching business will be outlined, and then a few of the most important of these economic questions will be considered as thoroughly as possible. In case of measures now under discussion before Congress or State Legislatures, specific bills will be considered, and the class will frame in outline measures that, after discussion, seem to them best. It is desired that the opinions of students on such questions be made as concrete and practical as possible.

Graduate students electing this course will be required to take in addition research course 141 and 142.

First and second terms.   4 points.
Thursday, 6.00–7.45.   Professor Jenks and Dr. McLeod.

It is advised that students take course 1 and 2, above, before entering any of the advanced courses in special lines of administration. In case students have not taken 1 and 2 and wish to enter any of the following courses, they will be required to satisfy the instructor that their preparation has been adequate.

Municipal Government

21 and 22. (11 and 11a.) The Administration of Cities.

The problems of city government and administration in the United States and Europe are discussed. The work of the first term will be devoted largely to a discussion of the political problems of the city, especially the relation of the individual and of business concerns to municipal government. The work of the second term will include a study of the administrative questions of city government—the application of the principles of business method to the administration of the services of the city.

First and second terms.   4 points.
Wednesday, 3.45–5.45.   Mr. Loomis.

Graduate students electing this course will be required to take in addition research course 141 and 142.

Course 21 and 22 will be given in Washington Square College only in case 10 or more students register.

23 and 24. (12 and 12a.) Metropolitan Cities; Causes, Conditions, and Problems.

A study of the factors underlying the growth of large metropolitan centers; their position in the world of commerce and finance; their conditions of business and of government; their political, economic and social problems. The course will be conducted with special reference to the city of New York, but extensive illustrative material will be drawn from the experience and conditions of London, Berlin, Paris, and other great cities of the world.

Graduate students electing this course will be required to take in addition research course 141 and 142.

First and second terms. 4 points.
Wednesday, 6.00–7.45. Professor Jenks and Mr. Loomis.

35 and 36. (18 and 18a.) MUNICIPAL FINANCE. (It is recommended that Accounting 18 be taken with or prior to this course.)

A study of the city budget with careful discussion of the principles of taxation and revenues as applied in city governments in the United States and abroad; the organization of the finance departments of cities; and a discussion of the control over expenditures, municipal credit and bond issues.

First and second terms. 4 points.
Monday, 7.45–9.45. Mr. Loomis.

State and National Government

41 and 42. (21 and 21a.) PRINCIPLES AND PRACTICE OF LAW–MAKING.

The first term will be devoted to the study of the principles and practice of framing the fundamental laws, or constitutions, of the American states, with comparative data drawn from the experience of the National Government, and of the principal nations of Europe. Special attention will be given the constitutional problems of the State of New York.

The second term will be devoted to a study of the methods of making ordinary laws in American states and cities, as well as the practice of the important national governments.

The course is intended to be practical in its nature, and should prove useful particularly to those who intend to engage in public activities, municipal or state, and to lawyers, as well as to the average student of public affairs.

First and second terms. 4 points.
Wednesday, 7.45–9.45. Dr. McLeod.
(Given in 1914–1915 and alternate years.)

Graduate students electing this course will be required to take in addition research course 141 and 142.

45 and 46. (23 and 23a.) PRINCIPLES AND PRACTICE OF ADMINISTRATION.

The course is designed to explain the fundamental principles of administrative organization and action as illustrated by the practice of the federal and state governments of the United States and of the principal nations of Europe. Special emphasis will be placed upon the development of administrative boards and commissions in the United States.

First and second terms.   4 points.
(Given in 1915–1916 and alternate years.)

47 and 48. (24 and 24a.) RIGHTS AND RESPONSIBILITIES OF CITIZENS.

An outline of the relations of the citizen to his city government, the responsibilities which rest upon him by virtue of his citizenship and the extent of the protection, assistance and furtherance of his welfare that he has a legal and political right to expect from the city authorities.

First and second terms.   4 points.
Tuesday, 4.00–6.00.   Professor Jenks and Mr. Lamkie.

49 and 50. (25 and 25a.) COMPARATIVE POLITICS AND GOVERNMENT.

A study of the nature and origin of state and government and a comparison of the systems of government prevailing in the United States, Great Britain, and the leading nations of Continental Europe, with special reference to their relations to present political problems in the United States, and a generalization of fundamental principles of public law common to them all. Administrative organization and the relation of central institutions to political subdivisions of the respective countries will also be treated. Lectures, textbook, and discussions.

First and second terms.   4 points.
Friday, 7.45–9.45.   Dr. McLeod.

51 and 52. (26 and 26a.) COLONIAL GOVERNMENT.

First term—General: A study of the methods of colonization, the forms of colonial government, the development of self-government in the colonies, Special attention to the governments of Canada, Australia, and South Africa. together with French and German colonies.

Second term—United States: Special attention will be given to the government of the Philippines, Porto Rico, Panama Canal Zone, Alaska, and Hawaii. Commerce and communication with the dependencies.

First and second terms. 4 points.
Thursday, 7.45–9.45. Mr. Loomis.

53 and 54. (27 and 27a.) Immigration and Welfare Work for Immigrants.

The course will deal with the important political and economic aspects of the immigration problem, including policies of restriction and selection, of distribution, housing, sanitation, and citizenship. In addition, a thorough discussion will be given of the practical means that may be adopted to promote the welfare of the immigrants, and bring them into more helpful relations with the body politic.

First and second terms. 4 points.
Friday, 7.45–9.45. Professor Jenks and Dr. Racca.

55 and 56. (28 and 28a.) Social Legislation.

The purpose of the course is to make the student familiar with the different ways in which government—national, state, municipal—is endeavoring to relieve social and economic distress through legislation. In connection with the course, the laws of different states, with especial reference to our own laws, are studied on such subjects as Mothers' Pensions, Child Labor, Poor Relief, Prevention of Diseases, especially occupational diseases, Minimum Wage, Working Men's Compensation, State Insurance, and Old Age Insurance.

First and second terms. 4 points.
Monday, 6.00–7.45. Mr. DeWitt.

International Law and Practice

81 and 82. (41 and 41a.) International Law.

The nature and development of international law. The rights and obligations of nations in time of peace. The arbitration movement. The laws of war and neutrality. America's contribution to international law.

First and second terms. 4 points.
Tuesday, 4.45–6.30. Mr. Crecraft.

87 and 88.   (44.)   MODERN QUESTIONS IN INTERNATIONAL POLITICS.

(While International Law is not required as a preliminary, a course in international law such as that given in Government 31 and 32 will be advantageous to students.)

A study of leading questions of the day in the field of international politics. The purpose of the course is not only to give general information but also to show the practical application to the study of current events of the principles of international law and politics. Such questions will be discussed as the Monroe Doctrine, the international aspects of the Panama Canal, the new alignment in the Balkans, China among the nations.

First and second terms.   2 points.
Thursday, 4.45–5.45.   Professor Jenks.

95.   (48.)   CONSULAR METHODS.

This course will give a brief summary of the history of consuls and consular functions in Europe, and in the United States. It will take up the organization of the United States consular service in Washington and abroad, consular appointments, and the preparation of the consular officer for entrance upon his work both in the United States, and at his post. The course will also include a survey of consular methods in other countries with a view to pointing out possible improvements in our own service.

This course is intended not only for those who intend preparing for positions as consuls, but also for those whose business interests, present and prospective, will bring them in contact with business conditions in foreign countries.

First term.   2 points.
Saturday, 4–6.   Mr. Selden.

Special Courses

141 and 142.   (71 and 71a.)   RESEARCH IN GOVERNMENT.

The course will be open to graduate students, or to undergraduates who receive the special consent of the instructors, who have received credit for any one of the following courses, or its equivalent, or who are enrolled in any one of them: 11 and 12; 21 and 22, 23 and 24, and 41 and 42.

Students will be assigned problems of practical importance in state, county, or city administration for individual investigation under the direction of the instructors.

First and second terms.   2 or 4 points.
Hours to be arranged.   Professor Jenks, Mr. Loomis,
                                          Dr. McLeod, Mr. Lamkie.

181. (91.) THE UNIVERSITY FORUM. Directed by Professor Jenks. Judson Memorial Building, Washington Square South.

The University Forum aims to make the University a greater force in training students to perform the duties of citizenship and in helping citizens to understand the problems of government. Public officials, business leaders, social workers, eminent authorities will present important questions of government and industry and discuss vital problems of civic and commercial life. Two sessions will be devoted to addresses on each subject, one session to a summary by the professor in charge and discussion of the two addresses. The audience will have the opportunity to ask questions suggested by the addresses and to engage in the discussion of the topics presented.

In 1914–1915 the Forum will be devoted to a discussion of some of the questions that are likely to arise before the convention for the revision of the Constitution of New York. The popular Initiative and Referendum, the Recall of Judicial Decisions, and the reorganization of the administrative branch of the state government—(the Short Ballot)—will probably be among the topics considered. The date of the first meeting and a complete list of topics will be announced in a special bulletin.

Students seeking credit will be assigned special reading and examination.

2 points.

Friday, 5.00–6.30. Professor Jenks.

Major: Twenty points taken with approval of Director.
Minor: Twelve points taken with approval of Director.

GREEK

1 and 2. SIMPLE READING COURSE IN PROSE, WITH INTRODUCTION TO THE GRAMMAR. (Prerequisite: Entrance Latin.)

The course serves as an introduction to the general reading of Attic Prose. The aim of the instruction is to make clear the fundamental principles of Greek translation of simple passages of the literature of the Fifth Century. The course is valuable for teachers of any language.

First and second terms. 4 points.
Hours to be arranged. Professor Waters.

3 and 4. ATTIC PROSE. (Prerequisite: Greek 1 and 2.)

Selections from prose writers usually read in the first two college years. The following authors are read: First term: Xenophon and Plato, Second term: Lysias and Herodotus. 4 points.
Hours to be arranged. Professor Waters.

5 and 6.   THE TRANSLATION OF HOMER.   (Prerequisite: Greek 3 and 4.)
   The aim of the instruction is to make clear and thorough the understanding
of Greek inflection and syntax, including Homeric versification and diction.
   First and second terms.   4 points.
   Hours to be arranged.   Professor Waters.

7 and 8.   GREEK LITERATURE AND MYTHOLOGY.   (No prerequisite.)
   The course serves as an introduction to the history of, and names and
classifications in the subjects.   Its aim is to teach not only the facts of the
literature and mythology, but to show their influence in modern literature
also.
   First and second terms.   2 points.
   Saturday, 9.15–10.15.   Professor Waters.

9 and 10.   ANCIENT HISTORY.   (No prerequisite.)
   The course serves as a general study of the causes underlying the political
movement from Cyrus the Great to 800 A. D.   Its aim is to make clear what
these movements were and to prepare for the study of original sources and
special authorities.   This course also includes the essentials of Greek art,
sculpture, architecture, and vases.
   First and second terms.   2 points.
                                                       Professor Waters.
   Students who wish to take majors or minors in Greek are requested to
consult with Professor Waters.

HISTORY

1 and 2.   HISTORY OF EUROPE FROM 375 TO THE REFORMATION.
   The aim of this course is to study the three elements, Roman, Christian,
and German, from which our present civilization is composed, and to follow
the process by which they combined.
   First and second terms.   4 points.
   Saturday, 11.15–1.15   Assistant Professor Jones.

[3 and 4.   HISTORY OF EUROPE FROM THE REFORMATION TO 1870.
   This course offers a general survey of the development of Western Europe,
from the time of the Religious Wars until the Franco-Prussian War, and, like
History 1, serves as an introduction to the further study of European His-
tory.   It will be given alternately with History 1.
   First and second terms.   4 points.]
   (Not given in 1914–1915.)

[5 and 6. POLITICAL AND CONSTITUTIONAL HISTORY OF THE UNITED STATES.

Prefaced by an account of the Colonial System and of the condition of the Colonies in the middle of the eighteenth century, this course extends from the outbreak of the French and Indian War through the Period of Reconstruction. Its aim is to explain the origin and development of the Constitution and institutions of the United States. A general survey of the field of American history is given. Special attention is paid to the right perspective of events and their proper relation to the great movements of our history. The course is designed to meet the needs of teachers of American history in secondary schools.

First and second terms. 4 points.]
(Not given in 1914–1915.)

7 and 8. POLITICAL AND CONSTITUTIONAL HISTORY OF ENGLAND.

In this course an introductory survey will be given of the Roman occupation of Britain, of the conquest and unification of England by the Anglo-Saxons, and of the institutions which they developed. The period from the Norman Conquest to 1688 will be treated chiefly from the standpoint of the development of the constitution of England. The influence upon its growth of foreign relations and of the antagonisms and alliances of the four great factors in the political life of the period—Crown, Church, Baronage and People—will be explained and emphasized. In the second half-year the political and constitutional history of England from 1688 to the death of Queen Victoria will be studied.

Text-book: Gardiner's *Student's History of England* (Longmans).

First and second terms. 4 points.
Saturday, 9.15–11.15. Professor Brown.

[9 and 10. (History G I.) CRITICAL STUDY OF THE FRENCH REVOLUTION AND NAPOLEONIC ERA.

The aim of this course is to present the essential and sufficient causes and to trace the development of the great human drama that was enacted during this period. The often conflicting historical evidence is sifted and men and measures are weighed in the light of the latest researches. Special and limited subjects are assigned to members of the class as topics for more exhaustive study, the results of which are embodied in brief oral or written reports.

First and second terms. 4 points.]
(Not given in 1914–1915.)

[11 and 12.   (History G IV.)   AMERICAN HISTORY FROM 1789 TO 1828.

The study of the important events and movements of American history from the adoption of the Constitution to the triumph of Jackson in the election of 1828.   Lectures, collateral reading and reports.

First and second terms.   4 points.]

(Not given in 1914–1915.)

[13 and 14.   (History G VI.)   AMERICAN HISTORY FROM 1789 TO 1828.

An intensive study of the organization of the federal government and the rise of American nationality.   The leading political and constitutional events and movements of American history, from the adoption of the Constitution to the victory of Jacksonian democracy will constitute the subject matter of this course.   Lectures, reading and research and report upon special topics.

First and second terms.   4 points.]

(Not given in 1914–1915.)

[15 and 16.   (History G VII.)   AMERICAN HISTORY FROM 1828 TO 1856.

The chief political and constitutional factors in American history, from the rise of the Jacksonian democracy to the formation of the Republican party, will constitute the subject matter of this course.   Lectures will be supplemented by parallel readings and by research on assigned special topics.

First and second terms.   4 points.]

(Not given in 1914–1915.)

[17 and 18.   (History G VIII.)   THE REVOLUTIONARY PERIOD IN AMERICAN
        HISTORY.

A study of the causes and course of the American Revolution and of its completion by the formation of a permanent government for the United States.   The course will deal with the history of the destruction of the political and governmental relations with Great Britain, with the conduct of the Revolution, with the government of state and nation during its progress and with the adoption of the present constitution.   Military events will be subordinated to political and constitutional.   Lectures will be supplemented by parallel readings and by research on special topics.

First and second terms.   4 points.

(Not given in 1914–1915.)   Professor Brown.]

19 and 20.   (History G IX.)   THE CIVIL WAR PERIOD IN AMERICAN HIS-
        TORY.   (Prerequisite: History 5 and 6.)

This course will deal with the causes and history of secession, with the political and constitutional history of both Federal and Confederate govern-

ments during the war, and with the attempted solutions of the great problems connected with reconstruction. Lectures, reading and research on special topics.

First and second terms. 4 points.
Saturday, 11.15–1.15. Professor Brown.

21 and 22. (History G X.) EUROPE DURING THE RENAISSANCE AND THE REFORMATION. (Prerequisite: History 1 and 2.)

This course will trace the development of those forces, intellectual, political, social, and religious, which brought about the Renaissance and which combined in the Protestant Revolution of the sixteenth century, and will follow the course of that revolution in all the European countries. It will then study the beginning of the Roman Catholic Counter-Reformation, as expressed in the Inquisition, the Jesuit Order, and the Council of Trent.

First and second terms. 4 points.
Thursday, 4–6. Assistant Professor Jones.

23 and 24. (History G* XIII.) CONSTITUTIONAL HISTORY OF ENGLAND.

This course will trace the development of constitutional government in England from the Saxon period to the accession of the Stuarts in 1603. While the history of governmental functions will be dealt with in some detail, the main emphasis will be placed upon the development of the Common Law. In 1915–1916, this course will be followed by a similar course covering the period from 1603 to the present day.

First and second terms. 4 points.
Thursday, 7–9. Dr. Sprague.

[25 and 26. (History G XI.) THE HISTORY OF FRANCE UNTIL 1789.

This course will cover in some detail the history of France from the Frankish invasions to the French Revolution; the development and decay of the Carolingian Empire, the institutions of feudalism, the growth of the modern French state, and the period of glory under the Bourbon kings will all be treated. Particular attention will be given to the study of European historical bibliography and historiography.

First and second terms. 4 points.
(Not given in 1914–1915.) Assistant Professor Jones.]

Major: History 1 and 2, 3 and 4, and any three additional courses.
Minor: History 1 and 2 or 3 and 4, 5 and 6 or 7 and 8, and one additional course.

INDUSTRY

The following courses given by members of the Faculty of the School of Commerce, Accounts and Finance are open also to students of the Washington Square College.

1 and 2. INDUSTRIAL HISTORY OF ENGLAND AND THE UNITED STATES.

The recent development of commerce and manufacturing and the significant changes of the last few years are treated.

First and second terms.   4 points.
Wednesday, 1.00–2.00   Assistant Professor Kennedy.

[3 and 4. INDUSTRIAL PROCESSES AND CONDITIONS.

The course treats of the processes, conditions and problems of the principal manufacturing industries of the United States. It is not technical in character, but aims to give the student a general knowledge of industrial conditions, which is valuable to men engaged in accounting, selling, banking and secretarial work as well as manufacturing.

First and second terms.   4 points.]
(Not given in 1914–1915.)

5 and 6. SOCIAL ASPECTS OF BUSINESS MANAGEMENT.

The following subjects will be considered: physical working conditions, light, ventilation, sanitation, prevention of accidents; prevention of industrial diseases, hours of labor, wages, methods of wage payment; industrial training, especially in the plant; mutual insurance against sickness, accident.

First and second terms.   4 points.
Thursday, 6.00–7.45.   Dr. Pratt.

7 and 8. TECHNIQUE OF SOCIAL STATISTICS.

This course deals principally with the methods, and, only to a slight extent, with the descriptive content of social statistics. The field includes population, vital statistics, death, sickness, sex, age and a range of subjects usually designated under the term Demography. There will also be included the statistics of labor, unemployment, wages, hours, hazardous employment, etc.

First and second terms.   4 points.
Thursday, 7.45–9.45.   Dr. Pratt.

9 and 10. ELEMENTS OF SOCIOLOGY.

An elementary study of the principles underlying society in the family, state, industry, culture, civilization and progress. (For further description, see Sociology 1 and 2.)

First and second terms.   4 points.
Wednesday, 6.00–7.45.   Assistant Professor Binder.

11 and 12. SOCIAL PROBLEMS AND REFORM MOVEMENTS.

Problems of current importance connected with the family, with labor, with poverty and with charity are discussed.

First and second terms.   4 points.
Wednesday, 4–6.   Assistant Professor Binder.

Major: 3 and 4, 5 and 6, 7 and 8, 9 and 10, and 11 and 12.
Minor: 3 and 4 or 5 and 6, 7 and 8, and 9 and 10.

ITALIAN

1 and 2. ELEMENTARY COURSE.

The aim of this course is to give to the student a practical knowledge of the fundamentals of Italian grammar and a vocabulary sufficiently large to carry on conversation in Italian on subjects of everyday life. The student will also be trained to read simple Italian prose.

First and second terms.   4 points.
Monday, 4-6.   Assistant Professor Racca.

3 and 4. INTERMEDIATE COURSE.   (Prerequisites: Italian 1 and 2, or
    a speaking knowledge of Italian.)

This course will aim to enlarge the vocabulary of the student and enable him to read understandingly the more difficult texts. The systematic study of Italian grammar and syntax will be undertaken. Frequent practice in conversation, reading, composition and letter-writing will be given throughout the year.

First and second terms.   4 points.
Tuesday, 4–6.   Assistant Professor Racca.

5 and 6. ADVANCED COURSE.   (Prerequisites: Italian 1, 2, 3, and 4, or a
    good knowledge of Italian.)

The aim of this course is to perfect the knowledge acquired in the preceding years and to give the student a complete mastery of the language; the exercises in conversation, composition, grammar and syntax will be continued; different subjects, such as the literature, art, history, and social problems of Italy will be discussed in order to accustom the student to think and speak in Italian on a variety of subjects; critical studies of Italian authors will be made by the students under the direction of the instructor.

First and second terms.   4 points.
Wednesday, 4–6.   Assistant Professor Racca.

7 and 8. COMMERCIAL ITALIAN. (Prerequisites: Italian 1, 2, 3 and 4 or a good knowledge of Italian.)

This course is planned to meet the requirements of those who desire a practica knowledge of modern Italian for business purposes. It will consist of talks and conversations on the economic life, commercial laws, customs, accounting, etc., of Italy, on her commercial relations with the rest of the world and especially with the United States and the other states of America; of reading and writing of business letters and articles, booklets and advertisements, catalogs, market reports, etc., in Italian.

First and second terms.   4 points.
Wednesday, 7–7.45.   Assistant Professor Racca.

9 and 10. HISTORY OF THE ITALIAN LITERATURE FROM ITS BEGINNINGS TO THE END OF THE EIGHTEENTH CENTURY. (Prerequisites: Italian 1, 2, 3, 4, 5, and 6 or Italian 1, 2, 3, 4, 7 and 8 or a thorough knowledge of Italian.)

In this course, the principal writers and movements will be studied in their relations to the intellectual, artistic and social life of Italy and of the rest of Europe. The lectures will be illustrated with readings from representative authors and class discussions.

First and second terms.   4 points.
Thursday, 4–6.   Assistant Professor Racca.

[11 and 12. HISTORY OF THE ITALIAN LITERATURE FROM THE END OF THE EIGHTEENTH CENTURY TO THE PRESENT. (Prerequisites as for Course 9 and 10.)

First and second terms.   4 points.
(Not given in 1914–1915.)   Assistant Professor Racca.]

[13 and 14. DANTE ALIGHIERI. (Prerequisites as for Course 9 and 10, and 11 and 12.)

Gabriele D'Annunzio's works in prose and poetry will be studied in relation to the literary, artistic and social life of modern Italy, and as a contribution to the progress and perfection of the Italian language.

First and second terms.   4 points.
(Not given in 1914–1915.)   Assistant Professor Racca.]
All these courses will be conducted as far as practicable in Italian.

Major: 1 and 2, 3 and 4, 5 and 6 or 7 and 8, 9 and 10 or 11 and 12.
Minor: 1 and 2, 3 and 4, 5 and 6 or 7 and 8.

JOURNALISM

The following courses given by members of the Faculty of the School of Commerce, Accounts and Finance are open also to students of the Washington Square College.

The Newspaper

1 and 2. NEWS WRITING.

The methods of writing news articles for the press are considered in lectures and discussions. A large amount of time is given to actual practice in writing the news stories based upon the assignments made in class.

First and second terms.   4 points.
Tuesday, 8–10 P. M.   Assistant Professor Lee.
Thursday, 10.30 A. M.–12.30. P. M.

3 and 4. NEWS REPORTING.

A practical course in the gathering of news. Students are assigned to cover news stories as nearly as practicable as in the city department of a daily paper.

Assignments are based on the actual news of the day.   Police headquarters in Manhattan is regularly covered as well as other departments. A student taking News Writing and News Reporting should devote the entire evening to the work and should be ready in emergency to cover a story up to midnight or even later.

First and second terms.   4 points.
Tuesday, 5–8 P. M.   Mr. Hughes.

5 and 6. CURRENT TOPICS.

This course gives a wide knowledge of contemporary events and the sources of information regarding them. It includes also an examination of their journalistic and editorial treatment by the leading New York dailies and weeklies, and an analysis, based upon this examination, of their importance as news and as events of more permanent significance.

First and second terms.   4 points.
Monday, 6.00–7.45 P. M.   Assistant Professor Wilson.

7 and 8. NEWSPAPER PRACTICE.

Practical exercises are given in the various branches of newspaper work, including copy reading, headline writing, proofreading, the technique of type-composition and correction, and the final make-up of the press form.

First and second terms.   4 points.
Thursday, 7.45–9.45 P. M.   Mr. Davis.

9 and 10. NEWSPAPER EDITING AND MAKING.

The organization and methods of the modern newspaper and the work of the various departments are studied in detail.

First and second terms.   4 points.
Monday, 4–6 P. M.   Assistant Professor Lee.

11. EDITORIAL WRITING.

A study of the nature and kinds of editorial writing, with regular practice in writing editorials of varying lengths and kinds.

First term.   2 points.
Tuesday, 4.45–6.45 P. M.   Mr. Davis.

12. LITERARY AND DRAMATIC EDITING.

A laboratory course in book reviewing and criticism of drama.
Second term.   2 points.
Tuesday, 4.45–6.45 P. M.   Mr. Davis.

The Magazine

13 and 14. MAGAZINE WRITING AND SPECIAL FEATURE WORK.

This is distinctly a course in the practice of magazine writing. Lectures and discussions, however, will be held in which attention is paid to the various problems connected with writing for magazines, newspaper supplements, literary weeklies, etc. Short talks will be given by specialists.

First and second terms.   4 points.
Wednesday, 1.30–3.30 P. M.   Assistant Professor Wilson.

15 and 16. ADVANCED MAGAZINE WRITING.

This is a course in practical authorship open only to students who have taken course in Magazine Writing and Special Feature Work or who have had some experience in magazine work. Lectures will be given by prominent magazine editors and writers.

First and second terms.   4 points.
Thursday, 6.00–7.45 P. M.   Assistant Professor Wilson.

17 and 18. SHORT STORIES.

This course aims to give instruction and practice in the art of writing fictitious narratives, especially short stories. Lectures deal with the history and technique of the short story, with various types of stories and with

individual authors. The practical side of the work includes the writing of constructive or critical exercises at each meeting of the class, and of at least five complete stories outside of class.

First and second terms. 4 points.

Wednesday, 4.45–6.45 P. M. Assistant Professor Hotchkiss.

19 and 20. MAGAZINE EDITING AND MAKING.

A study of the methods employed in modern magazine making and editing. The work of the classroom will be supplemented by talks from specialists in various departments of magazine making.

First and second terms. 4 points.

Friday, 6.00–7.45 P. M. Assistant Professor Lee.

21 and 22. MAGAZINE FICTION.

This is a seminar course for advanced students who show exceptional promise. The course is designed to provide professional supervision of the student's work. It is a writing course for those who are making a serious attempt to write salable short stories for the standard magazines. Prominent short story writers and magazine editors will meet with the class from time to time, to discuss constructive problems. The written permission of the instructor is required for entrance.

First and second terms. 8 points.

Hours to be arranged. Assistant Professor Wilson.

Supplementary Courses

23 and 24. HISTORY OF JOURNALISM.

A history of the ethics and principles of American journalism. Special attention will be given to original research. No technical knowledge of journalism is necessary for this course.

First and second terms. 4 points.

Thursday 4–6. Assistant Professor Lee.

25 and 26. NEWSPAPER AND MAGAZINE LAW.

A course of law designed especially for newspaper men. It will include the laws of copyright and libel.

First and second terms. 4 points.

Friday, 7.45–9.45 P. M. Dr. Gerdes.

27 and 28. MAGAZINE AND NEWSPAPER ADVERTISING.

A study of the theory and practice of modern advertising. The discussion will deal with the problems of the advertising manager, solicitor, and

writer.   A special investigation will be made of the advertising literature issued by the leading publications.

First and second terms.   4 points.

Wednesday, 6.00–7.45 P. M., Assistant Professor Lee and Special Lecturers.

29 and 30.   Magazine and Newspaper Verse.

A brief history of verse including a study of the laws and principles of prosody.   Special attention will be paid to verse of a lighter vein.   Lectures and discussions will deal with the present market for verse and prices paid.

First and second terms.   4 points.

Monday, 7.45–9.45 P. M.   Mr. Guiterman.

Majors and **Minors:**   Students should consult with the Director of the Department of Journalism before selecting their majors and minors.

LATIN

PRECOLLEGIATE LATIN

Only *one* of these courses will be given each year, according to demand. Students who have a sufficient preliminary knowledge will be given an opportunity, however, to combine two of the courses in one class.

a. Beginners' Latin (Jenner and Wilson, Cæsar's *First Campaign*, Appleton & Company).

First and second terms.   4 points.
                                               Assistant Professor Riess.

b. Cæsar's Gallic War (Riess and Janes, *Cæsar*, I and II and Sight Reading, American Book Company).

First and second terms.   4 points.
                                               Assistant Professor Riess.

c. Cicero's Orations (D'Ooge's *Ctcero*, Sanborn & Company.)

First and second terms.   4 points.
                                               Assistant Professor Riess.

d. Vergil's Æneid (Fairclough's *Æneid*, Sanborn & Company.)

First and second terms.   4 points.
                                               Assistant Professor Riess.

These courses will be given Saturdays.   Hours to be arranged by agreement.

COLLEGIATE LATIN

1 and 2. *Either* Horace, Odes and Epodes, *or* Cicero, De Amicitia and De Senectute.
   First and second terms.   4 points.
   Saturday, 9–11.   Assistant Professor Riess.

3 and 4. *Either* Tibullus, Elegies (K. F. Smith) *or* Cicero, De Oratore I.
   First and second terms.   4 points.
   Saturday, 11–1.   Assistant Professor Riess.

In all collegiate courses, prose composition is also given. Students will be required to bring in reports on assigned topics.

LAW PREPARATORY

1 and 2. ELEMENTARY JURISPRUDENCE.
Selected readings in Blackstone, Kent, Langdell, Thayer, and other writers.
   First and second terms.   4 points.
   Wednesday, 4.45–6.30.   Mr. De Witt.

3 and 4. ELEMENTARY CONSTITUTIONAL LAW.
A careful study of the formation and the development of the American Constitutional system through legislation and judicial decisions. Study of text-book. Discussion of some cases. Lectures.
   First and second terms.   4 points.
   Tuesday, 4–6.   Dr. Triplett.

[5 and 6. ELEMENTARY INTERNATIONAL LAW.
A study of the general principles of international law—the law of peace, the law of belligerency, and the law of neutrality—as developed by common usage and by positive agreement in the form of treaties and conventions. This will be done by the study and discussion of a text-book, by lectures, and by occasional reference to the important cases and treaties.
   First and second terms.   4 points.
   (Not given in 1914–1915.)   Dr. Triplett.]

7 and 8. ELEMENTARY ROMAN LAW.
This course traces briefly the historical development of the Roman Law and gives an outline of the fundamental principles of the Justinian Code.

The influence of the Roman Law on the law of modern times is discussed. Morey's *Outlines of Roman Law* will be used as the basis for the course. Lectures and assigned reading.

First and second terms.   4 points.
Wednesday, 7–9.   Dr. Sprague.

[9 and 10. CASE ANALYSIS.
(Not given in 1914–1915.)]

11 and 12. WOMAN'S LAW CLASS.

The courses will include the general principles involved in the following topics, viz.: Elementary Jurisprudence, Contract, Sales, Agency, Wills, Negotiable Paper, Personal Property, Real Property, Mortgages, Torts, Evidence, Equity, Partnerships, Corporations, and Constitutional Law.

The class-room work will be devoted partially to practical questions, such as the drafting of Contracts, the proper execution of Wills and Deeds, the form and effect of Bills and Notes, Powers of Attorney and other instruments.

(This course is also given in the evenings of the same days at seven o'clock.)

First and second terms.   3 points.
Monday, Wednesday, and Friday at 11.30 A. M., or 7 P. M.   Dean Ashley.

Note: Students intending to enter the Law School may obtain a bulletin of that School by applying at the office of the Secretary on the tenth floor of the University Building at Washington Square.

MANAGEMENT

The following courses given by members of the Faculty of the School of Commerce, Accounts and Finance are open also to students of the Washington Square College.

1 and 2. POLITICAL ECONOMY AND ECONOMIC PROBLEMS.

Economic theories and the application of theory to current business and social problems are presented.

First and second terms.   4 points.
Tuesday, 4.45–6.30.   Professor Johnson and Asst. Prof. Kennedy.

3 and 4. BUSINESS ORGANIZATION.

The internal organization and management of manufacturing and training concerns, including their office and shop methods and their selling and advertising plans, are studied.

First and second terms.   4 points.
Thursday, 7.45–9.45   Associate Professor Galloway and a corps of
                                                      special lecturers.

5. OFFICE MANAGEMENT.

A study of the principles governing the organization and administration of clerical forces. The following subjects are treated:

Office arrangement, heat, light and ventilation; departmental organization and the scheduling and the follow-up of work between departments; organization within the department; selection, instruction and payment of workers; establishment of standard routine of operations and standard practice instructions; designing forms, clerical devices and graphic charts; mechanical aids in office work; filing and indexing records; purchasing and handling supplies.

The aim will be to familiarize the student with the practice of highly organized office forces and the underlying principles.

First term.   2 points.
Friday, 7.45–9.45.   Mr. Schultze.

6. SECRETARIAL DUTIES.

The aim of this course is to provide the student with exact information about the duties of the private and public secretary. A number of successful and well-known secretaries and executives will participate in the instruction.

Second term.   2 points.
Friday, 7.45–9.45.   Assistant Professor Kennedy.

7 and 8. ELEMENTS OF STATISTICAL METHODS.

Methods of compiling statistics for use in the accounting and management of financial and business concerns.

First and second terms.   4 points.
Friday, 7.45–9.45.   Dr. Falkner.

9 and 10. BUSINESS MATHEMATICS.

The aim of this course is, primarily, to make the student's mathematics available for the solution of practical problems of commerce and industry: and, secondarily, to increase his store of mathematical knowledge.

First and second terms.   4 points.
Monday, 7.45–9.45.   Mr. Case.

11 and 12. ADVANCED COURSE IN STENOGRAPHY AND TYPEWRITING.

Open only to students who have a working knowledge of stenography and typewriting, and who are taking at least four other courses in the School of Commerce at the same time.

First and second terms.   4 points.
Saturday, 1.15–2.15, and 3.15–4.15.   Mr. Frank.

13 and 14. Methods in Teaching Stenography.

This course is especially designed for those who wish to prepare themselves to teach stenography and typewriting, and for those already teaching who wish to render their instruction more scientific and effective.

First and second terms.   2 points.
Saturday, 2.15–3.15.   Mr. Frank.

15 and 16. Business Psychology.

The scope of the course will include a study of the mental bases of successful leadership and the proper selection of subordinates, the mental processes involved in marketing, and the psychological conditions of personal efficiency.

First and second terms.   4 points.
Monday, 4.45–6.30.   Dr. Lough.

Major: 3 and 4, 5, 6, 7 and 8, or 9 and 10, 11 and 12, or 13 and 14, 15 and 16.

Minor: 3 and 4, 5, 6, or 7 and 8, 9 and 10, or 11 and 12.

MARKETING

The following courses given by members of the Faculty of the School of Commerce, Accounts and Finance are open also to students of the Washington Square College.

1 and 2. Markets and Marketing Values.

A concrete and practical study of the markets and the price-movements of industrial products.

First and second terms.   4 points.
Monday, 4.45–6.30.   Assistant Professor Kennedy.

3 and 4. Essentials of Advertising.

A course of lectures on the principles of advertising supplemented by practical work.

First and second terms.   4 points.
Monday, 7.45–9.45.   Mr. Collins.

5 and 6. Psychology of Advertising and Selling.

The purpose of this course is to present fundamental psychological laws, together with sufficient illustrations and applications to make their use practical. It also tests them by experience and experiments, in order to arrive at even more exact conclusions.

First and second terms.   4 points.
Thursday, 6.00–7.45.   Associate Professor Hotchkiss
                                                and Dr. Hollingworth.

7 and 8. ADVERTISING COPY.

A thorough and detailed study is made of the principles of writing advertising copy and practice is given in various forms, such as newspaper and magazine advertisements, technical class publications, and the like.

First and second terms. 4 points.
Tuesday, 7.45–9.45. Associate Professor Hotchkiss.

9 and 10. ADVERTISING DISPLAY.

This course develops and applies the principles which control the selection and the arrangement of illustration, color, ornament and type as they relate to the effect and the reproduction quality of advertising material. (Apply for special bulletin on advertising.)

First and second terms. 4 points.
Monday, 6.00–7.45. Mr. Parsons.

11 and 12. ANALYSIS OF MARKETING COSTS.

This course is planned for students who already have a general knowledge of the important principles of advertising, especially such knowledge as is gained through the course in essentials of advertising. It considers in a scientific way the relationship of advertising to other departments of business, and measures the effect of the various factors upon the advertising plan. In the second term, this knowledge is applied to a scientific determination of the costs of marketing by the various methods.

First and second terms. 4 points.
Friday, 7.45–9.45. Mr. Tipper.

13 and 14. ADVERTISING CAMPAIGNS.

An advanced course intended to give students actual practice in working out complete advertising campaigns.

First and second terms. 4 points.
Friday, 6.00–7.45. Mr. Tipper.

15. SALESMANSHIP.

A course of lectures on the theory and principles of salesmanship, supplemented by practical work. Among the topics covered are the following: selling principles, methods and problems; analysis of the market, analysis of the goods; selling points; selling talks; forming of canvasses; methods of meeting objections from the prospects; organization of selling forces; modern methods of opening new territory.

First term. 2 points.
Wednesday, 6.00–7.45. Mr. Jones.

17 and 18. ADVANCED BUSINESS CORRESPONDENCE AND SELLING SYSTEMS.
    A study of the more advanced principles of business correspondence es-
pecially of sales and follow-up letters. Practical selling campaigns are
planned and constructed. Individual practice and criticism.
    First and second terms.   4 points.
    Thursday, 7.45–9.45.   Mr. Adley.

    Major: 3 and 4, 5 and 6, 7 and 8, or 9 and 10; 11 and 12, or 13 and 14;
17 and 18.
    Minor: 3 and 4, or 5 and 6; 7 and 8, or 9 and 10; 11 and 12, or 13 and 14.

MATHEMATICS

1 and 2. ALGEBRA.   (Prerequisite: Entrance Algebra.)
    First and second terms.   4 points.
    Saturday, 9.15–11.15.   Professor Edmondson.

3. SOLID GEOMETRY.   (Prerequisite: Entrance Plane Geometry.)
    First term.   2 points.
    Friday, 4–6.   Assistant Professor Thorne.

4. TRIGONOMETRY.   (Prerequisites: Entrance Algebra and Plane Geom-
        etry.)
    Second term.   2 points.
    Friday, 4–6.   Assistant Professor Thorne.

5 and 6. ANALYTIC GEOMETRY.   (Prerequisites: Mathematics 1 and 2, and
        4.)
    First and second terms.   4 points.
    Friday, 7–9.   Assistant Professor Thorne.

7 and 8. CALCULUS.   (Prerequisite: Mathematics 5 and 6.)
    First and second terms.   4 points.
    Saturday, 11.15–1.15.   Professor Edmondson.

9 and 10.   (G II.) ADVANCED DIFFERENTIAL CALCULUS.   (Prerequisite:
        Mathematics 7 and 8.)
    First and second terms.   4 points.
    (Not given in 1914-1915.)   Professor Edmondson.

11 and 12   (G III.) ADVANCED INTEGRAL CALCULUS, AND DIFFERENTIAL
        EQUATIONS.   (Prerequisite: Mathematics 7 and 8.)
    First and second terms.   4 points.
    Friday, 4–6.   Professor Edmondson.

13 and 14. (G. IV.) HIGHER PLANE CURVES. (Prerequisites: Mathematics 9 and 10, and 11 and 12.)
    First and second terms.   4 points.
    Thursday, 4–6.   Professor Edmondson.

[15 and 16. (G. V.) SOLID ANALYTIC GEOMETRY. (Prerequisites: Mathematics 9 and 10, and 11 and 12.)
    (Not given in 1914-1915.)   Professor Edmondson.]

Major: Mathematics 5 and 6, 7 and 8, 9 and 10, 11 and 12, 13 and 14 or 15 and 16.
    Minor: Mathematics 5 and 6, 7 and 8, and 9 and 10 or 11 and 12.

PHILOSOPHY

1 and 2. PSYCHOLOGY.
    An introduction to the systematic study of Psychology. The course will include a description of the nervous system, its structural and functional organization, and its significance as a physical basis for a study of mental phenomena. This will be followed by a careful study of the more important facts of normal mental life—attention, perception, memory, reasoning, emotion, volition, etc. Simple psychological experiments will be performed by the class during the year.
    First and second terms.   4 points.
    Saturday, 11.15–1.15.   Professor Lough.

[3 and 4. (PHILOSOPHY P 138.) ELEMENTARY LOGIC.
    An elementary course. A study of the outlines of inductive, deductive and organic thinking, with especial reference to the methods of discovery and proof, to probability and certainty, to fallacies, and to the unity of thought. The underlying aim of the course is to make logic of practical value to teachers and other students. The work will be based on a text (Creighton, *Introductory Logic*), readings, and class reports.
    First and second terms.   2 points.
    (Not given in 1914–1915.)   Professor Horne.]

5 and 6. (PHILOSOPHY P 188.) ADVANCED LOGIC. THE SCIENCE OF THOUGHT.
    This course does not consider the conditions under which thinking is valid; but the nature of thought itself, and its place in reality. This course may be taken independently of course 3 and 4. The text will be Everett:

The Science of Thought. Consult with the instructor before enrolling for this course.

First and second terms.   2 points.
Saturday, 10.15–11.15   Professor Horne and Professor Williams.

7 and 8. PHILOSOPHY OF ART.

A study of the beautiful from the standpoint of fine arts, and an examination of aesthetics in comparison with the other philosophical sciences.

First and second terms.   4 points.
Hours to be arranged.   Professor Shaw.

9 and 10. RELIGION AMD IRRELIGION IN CONTEMPORARY CULTURE.

A study of the religious strivings of modern decadents. The course will pay special attention to Ibsen, Wagner, Nietzsche, Tolstoi, Huysmans, Villiers de L'Isle Adam, Sudermann and Gorky.

First and second terms.   4 points.
Friday, 7–9.   Professor Shaw.

11 and 12. (PHILOSOPHY G II.) PHILOSOPHY OF RELIGION.

A constructive study of the religious principles in mankind. This course asserts the independence of the religious precinct and endeavors to relate philosophy of religion to other forms of philosophical culture.

First and second terms.   4 points.
Saturday, 9.15–11.15   Professor Shaw.

13 and 14. (PHILOSOPHY G XIV.) PHILOSOPHY OF ETHICS.

A study of ethical theory pursued in a three-fold manner; the history of ancient and modern ethical principles; a criticism of current theories; the development of a positive ethical principle in the form of a theory of value.

First and second terms.   4 points.
Saturday, 11.15–1.15.   Professor Shaw.

[15 and 16. (PHILOSOPHY G XVI.) SYSTEMATIC PHILOSOPHY.

This course is pursued with a two-fold aim: to serve as an introduction to the general subject of philosophy; and to provide, for more advanced students, a systematic survey of the various forms of philosophic activity.

First and second terms.   4 points.
(Not given in 1914–1915.)   Professor Shaw.]

[17 and 18. (PHILOSOPHY G XXIV.) THE HISTORY OF ANCIENT AND MEDI-
      ÆVAL PHILOSOPHY.

First and second terms.]   4 points.
(Not given in 1914–1915.)   Professor Shaw.]

Major: 5 and 6, or 9 and 10, 11 and 12, 13 and 14, 15 and 16, 17 and 18.
Minor: 5 and 6, 7 and 8, 9 and 10.

PHYSIOLOGY

1 and 2. EXPERIMENTAL PHYSIOLOGY. (Prerequisites: One year of Chemistry, Physics, and General Biology.)

This course, designed especially for teachers, will consist of 1 hour lecture and 3 hours' laboratory work per week throughout the year, covering such subjects as: The properties of surviving tissue; reactions of organisms to stimuli; properties of muscle and nerve; the muscle-nerve mechanism; the circulation and respiration; the central nervous system; the reaction time to sound; taste, smell and cutaneous sensations, and experiments on vision.

First and second terms. 4 points.
Saturday 9–1. Professor Ewing.

3 and 4. ADVANCED PHYSIOLOGY. (Prerequisite: Physiology 1 and 2.)

This course of 4 hours' laboratory work per week is designed to meet the needs of those students who desire to acquaint themselves with methods of physiological investigation. Experiments on either elected or assigned subjects will be performed by the students.

First and second terms. 4 points.
Saturday, 2–6. Professor Ewing.

*5 and 6. NUTRITION AND DIET SELECTION. (Prerequisite: Physiology 1 and 2, or its equivalent.)

The course will cover the metabolism of the human body, as a basis for the proper selection of diets both in health and disease.

First and second term. 4 points.
Friday, 3.30–5.30. Professor Jackson.

7 and 8. RESEARCH. (Prerequisite: Physiology 1 and 2, and 3 and 4.)

Special laboratory investigation in any phase of physiology. Credit according to the amount of time devoted to the work.

Hours to be arranged. Professor Jackson.

Major: Physiology 1 and 2, 3 and 4, 5 and 6, 7 and 8.
Minor: Physiology 1 and 2, 3 and 4, 5 and 6.

PHYSICS

1 and 2. ELEMENTARY PHYSICS. (Given at University Heights.)

Properties of matter, mechanics, heat, magnetism and electricity, sound, light, experimental lectures.

First and second terms. 4 points.

* Given only upon the application of five or more students.

3 and 4. LABORATORY EXERCISES. Two consecutive hours a week at
   University Heights.
   This is a laboratory course in general physics, with collateral reading and
study as well as carefully written records.   It includes exercises in mechanics,
heat, sound, light, electricity and magnetism.   It is taken along with Course
(1) or (4), or else must be preceded by preparatory physics.
   First and second terms.   4 points.

5 and 6. GENERAL PHYSICS.   (Prerequisite: Elementary Physics.)
   This course of lectures in General Physics will include only so much of
mechanics as is essential to a clear presentation of other branches of physics,
but these latter will be presented fully.   Lectures begin about 4.15 and con-
tinue to 6 o'clock.   Besides occasional illustrations during the lectures at
Washington Square, a period will be devoted to experimental demonstra-
tions at the physics lecture room and laboratories at University Heights
about once a month, in place of the Washington Square lecture.
   First and second terms.   4 points.

7 and 8. (PHYSICS G VIIIa.) GENERAL PHYSICS. (Prerequisites: To be
   arranged with the instructor.)   Two hours at University Heights.
   First and second terms.   4 points.

9 and 10. (PHYSICS G VIIIb.) GENERAL PHYSICS. (Prerequisites: To
   be arranged with the instructor.)   Two hours at University Heights.
   First and second terms.   4 points.

   Arrangements for **majors** and **minors** may be made with the head of the
department.

SOCIOLOGY

1 and 2. ELEMENTS OF SOCIOLOGY.
   The fundamental principles underlying society; the various elements
contributing to the progress and efficiency of society; and the different in-
stitutions of society.   The purpose of this course is to serve as a basis for
more advanced study in sociology.
   First and second terms.   4 points.
   Wednesday, 6–7.45.   Assistant Professor Binder.

3 and 4. SOCIAL PROBLEMS AND REFORM MOVEMENTS.
   An introduction to the systematic study of sociology.   The lectures will
treat chiefly four topics during the first half-year. *The family:* its impor-

tance for civilization, its organization and disruption. *The Drink Question:* its bearings upon the individual, the state, and society. *The Labor Question:* its urgency at the present time, its bearing upon employers and employees, and its possible solution in co-operation and profit-sharing. *The Question of Modern Charity:* organized and unorganized philanthropy; various ways of approaching poverty, delinquency, and degeneracy.

During the second half-year the important reform movements will be treated with the principles upon which they are based: (a) Woman and child labor; (b) Care of the unemployed; (c) Housing the working people; (d) Treatment of prisoners, and children's courts; (e) Women's rights; (f) Accidents in factories and on railroads; (g) Institutions of social reform.

First and second terms. 4 points.
Wednesday, 4–6. Assistant Professor Binder.

5 and 6. (Sociology G I.) PRINCIPLES OF SOCIOLOGY.
The province of sociology; the elements, structure, forces, and control of society; the laws and causes of progress.

First and second terms. 4 points.
Friday, 4–6 Assistant Professor Binder.

7 and 8. (Sociology G II.) SOCIALISM.
(a) Forerunners of Socialism. The endeavor toward social amelioration of the sentimental, ethical, and revolutionary reformers, such as Saint Simon, Carlyle, Marx. (b) The Christian Socialists in Germany, England and America. (c) The modern development of Socialism in Europe and America as a political force. (d) The changing basis of Socialism from utopian to practical aims.

First and second terms. 4 points.
Saturday, 11.15–1.15. Assistant Professor Binder.

[9 and 10. (Sociology G III.) ANTHROPOLOGY AND FOLKLORE.
Description of human races; their distribution over the globe; early human remains; types of languages and cultures. Primitive man, mental and physical, mythology, morality, religion, and art; castes and their functions; laws and customs; their origin and development. Special emphasis will be placed upon the psychological explanation of the great myths of the Greeks, Norsemen, and Finns, and students will be guided to these and other peoples who developed their philosophy through myths.

First and second terms. 4 points.
(Not given in 1914–1915.) Assistant Professor Binder.]

Major: 1 and 2, 3 and 4, 5 and 6, 7 and 8, and 9 and 10.
Minor: 1 and 2, 3 and 4, and 5 and 6.

SPANISH

1 and 2. ELEMENTARY COURSE. (SPANISH C1 and 1a.)

The primary aim of this course is to enable the student to carry on a conversation in Spanish. To that end, careful attention will be paid to the usual phases of everyday life and the work of the course, as far as possible, will be conducted in Spanish from the beginning. The important verbs, regular and irregular, the proper use of tenses, and other fundamental points of grammar will receive careful attention. The courses should prove especially valuable to students who work in offices where Spanish is used, to those who desire to enter offices in South American and other foreign countries, and to persons wishing to travel.

First and second terms.   4 points.

Div. a, Friday 4.45–6.45; Div. b, Friday 7.45.–9.45.   Mr. Iturralde.

3 and 4. INTERMEDIATE COURSE. (SPANISH C2 and 2a.) (Prerequisites: Spanish 1 and 2 or a speaking knowledge equivalent to one year's work.)

In this course, one or two simple Spanish texts will be read as a basis for a continued study of grammar, but more especially as a basis for conversation in Spanish. Attention will be paid to letter-writing, particularly the writing of commercial letters, and easy exercises in composition will be given to bring out points of grammar and the more elementary idioms.

First and second terms.   4 points.

Div. a, Monday, 5–7; Div. b, Saturday, 1.15–3.15.   Mr. Iturralde.

5 and 6. ADVANCED COURSE (SPANISH C3 and 3a.) (Prerequisites: Spanish 1, 2, 3 and 4, or the equivalent of two years' work.)

This course is especially fitted for Spanish correspondents who wish to increase their ability to write correct and forceful Spanish. A thorough study will be made of the style of Spanish business letters and translations of a technical commercial nature. While this cours e is designed to be particularly helpful to commercial students, the needs of students who take the course for general cultural purposes will also be met.

First and second terms.   4 points.

Hours to be arranged.   Mr. Iturralde.

7 and 8. MODERN AUTHORS. (Prerequisites: Spanish 1, 2, 3 and 4, or the equivalent.)

In connection with this course the life and works of representative modern Spanish authors will be studied. Among the writers whose works will be considered are: Valera, Nuñez de Arce, Campoamor, Galdós, Valdés,

Blasco Ibañez, Emilia Pardo Bazán, Pereda, Castelas, Menéndez Pelago, Unamuno, Echegaray, and Benavente.

First and second terms.   4 points.
Hours to be arranged.   Mr. Iturralde.

[9 and 10. HISTORY OF SPANISH LITERATURE. (Prerequisite: Spanish 1, 2, 3 and 4 or the equivalent.)

The purpose of this course will be to familiarize the student with the broad outlines of Spanish literature.   A careful study of the various literary movements will be made and selected list of readings will be offered but not required.   The lectures on Spanish literature will be given in English.   The course is especially valuable to students majoring in English, French, or Italian.

First and second terms.   4 points.
                                                             Mr. Iturralde.]

(Not given in 1914–1915.   Will be given in 1915–1916.)

Minor: 3 and 4, 5 and 6, 7 and 8 or 9 and 10.

TRADE AND TRANSPORTATION

The following courses given by members of the Faculty of the School of Commerce, Accounts and Finance are open also to students of the Washington Square College.

1 and 2. TRADE AND TRANSPORTATION.

A study of the processes of merchandising and of the various phases of transportation, especially railroad transportation.

First and second terms.   4 points.
                                                             Assistant Professor Kennedy.

3 and 4. GEOGRAPHY OF COMMERCE.

Factors controlling the distribution of population, transportation, industries and wealth.   Distribution and characteristics of the chief raw materials of commerce, and their influence upon trade and industry.

First and second terms.   4 points.
Thursday, 7.45–9.45.   Dr. Finlay.

5. ECONOMIC GEOGRAPHY OF EUROPE.

For description, see Geography 19.
First term.   2 points.
Wednesday, 7.45–9.45.   Professor Woodman.

6. GEOGRAPHY OF ASIA, AUSTRALIA, AUSTRALASIA AND AFRICA.
    (cf. Geography 20.)
    Second term.   2 points.
    Wednesday, 7.45–9.45.   Professor Woodman.

8. EUROPEAN TRADE AND INDUSTRY.
    Second term.   2 points.
    Thursday, 7.45–9.45.   Dr. Racca.

9. EXPORT AND IMPORT TRADE.
    The object of this course is to consider in detail the conditions prevailing in particular industries and the methods of trade. The course is intended for those engaged in manufacturing or trade in the United States, as well as for persons interested in the import or export trade.
    First term.   2 points.
    Thursday, 7.45–9.45.   Assistant Professor Kennedy.

11. RAILWAY OPERATION AND MANAGEMENT.
    The general organization of railway systems, the structure of different departments, duties and problems of various officials and clerks, standards of efficiency in train service, shops and engine houses, and the statistical checks upon the efficiency of operation.
    First term.   2 points.
    Monday. 6.00–7.45.   Professor Clapp.

12. PORT AND TERMINAL PROBLEMS.
    The elements of effective terminal arrangement and control, the handling and storing of freight, lighterage, grain elevators, ship repairing, railway and inland waterway connection. A survey will be made of the principal American and European ports to show their particular problems, facilities, and administration.
    Second term.   2 points.
    Monday, 6.00–7.45.   Professor Clapp.

    Major: 1 and 2, 3 and 4, 5, 6, 8, 9, 11, and 12.
    Minor: 1 and 2, 3 and 4, 7 and 8, or 11 and 12.

THE COUNCIL OF THE UNIVERSITY

The Council of New York University, incorporated the 18th of April, 1831, is a self-perpetuating body, consisting of thirty-two members, each holding office for four years, or until his successor is elected. One-fourth of the members go out of office each year on the fourth Monday of October, when their successors are elected by the council.

Officers of the Council

President—GEORGE ALEXANDER, D.D.
Vice-President—EUGENE STEVENSON
Secretary—GEORGE A. STRONG
Treasurer—WILLIAM M. KINGSLEY

Roll of the Council

Date of Election		Expiration of Term
1883.	WILLIAM S. OPDYKE	1915
1887.	GEORGE ALEXANDER, D.D.	1915
1891.	HENRY M. MACCRACKEN, D.D., LL.D.	1914
1892.	JOHN P. MUNN, M.D.	1916
1898.	WILLIS FLETCHER JOHNSON, L.H.D.	1915
1898.	THOMAS E. GREACEN	1915
1899.	WILLIAM M. KINGSLEY	1914
1900.	JAMES G. CANNON	1914
1903.	CLARENCE H. KELSEY	1915
1903.	WILLIAM H. PORTER	1915
1903.	JOHN H. MACCRACKEN, PH.D.	1914
1904.	EUGENE STEVENSON	1916
1904.	JAMES WARREN LANE	1917
1905.	FRANK A. VANDERLIP	1917
1907.	DAVID A. BOODY	1917
1907.	HENRY W. HODGE	1916
1907.	GEORGE A. STRONG	1916
1908.	JAMES ABBOTT	1916
1908.	HENRY M. BROWN, D.D.	1917
1908.	SCOTT FOSTER	1915
1909.	CLELAND B. MCAFEE	1917
1909.	BENJAMIN T. FAIRCHILD	1917
1910.	ALEXANDER S. LYMAN	1916
1910.	ROBERT MACKENZIE, D.D., LL.D.	1915
1911.	ELMER ELLSWORTH BROWN, PH.D., LL.D.	1917
1913.	FINLEY J. SHEPARD	1916

NEW YORK UNIVERSITY

SUMMARY OF UNIVERSITY STATISTICS 1913–1914

DIVISIONS	Professors	Lecturers	Instructors	Assistants	Other Officers	Total Officers	Total Students	Degrees Conferred 1913
I. ARTS AND SCIENCE.								
1. College of Arts and Pure Science	25		14	9	5	53	375	51
2. School of Applied Science	20	6	15	5	3	49	282	35
3. Graduate School	41	6	7			54	395	42
4. School of Pedagogy	7	13	5			25	445	12
5. Washington Square College	32	4	16			52	446	39
6. Summer School	29	49		6		84	933	
II. LAW.								
7. School of Law	11	4	4		4	23	678	132
8. Woman's Law Class	1		3			4	73	
III. MEDICINE.								
9. University Medical College	51	19	46	12	51	179	534	75
10. Veterinary College	10	12	2			24	11	6
IV. COMMERCE.								
11. School of Commerce, Accounts and Finance	14	29	24	4	3	74	2,190	126
V. GENERAL.								
12. Library					8	8		
Grand Total	141	142	136	36	74	629	6,362	518
Duplications	100	40	32	2		174	381	
Net Total	141	102	104	34	74	455	5,981	518

In the above total "auditors" are not reckoned, not students of the Extramural Division. More than fifteen hundred of these students are in attendance in the University.

Special circulars of the various schools will be sent free upon application to the Registrar, New York University, Washington Square, N. Y. In writing please state which circular is desired. The General Catalogue will be sent upon receipt of twenty-five cents.